

**2<sup>nd</sup> Edition 2020****Public Service Commission 2020**

# **Computer Science**

## **Repeated MCQs**

**By Prof. FAZAL REHMAN SHAMIL****T 4 Tutorials Publishers**<https://T4Tutorials.com>

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**By:** Prof. Fazal Rehman Shamil **Last Modified:** August 31, 2020

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## Operating System MCQs

**By:** Prof. Fazal Rehman Shamil **Last Modified:** April 16, 2020

### Operating System MCQs

#### 1. Where the Paging is implemented .....

- (a) Software
- (b) [Operating System](#)
- (c) Hardware
- (d) B and C
- (e) All of these
- (f) None of these

☐ **Answer - Click Here:**

**c**

#### 2. Which one of the following is not true about Kernel?

- (a) The kernel is made of various modules which can not be loaded in the running [operating system](#)
- (b) Kernel remains in the memory during the entire computer session
- (c) the kernel is the [program](#) that constitutes the central core of the operating system
- (d) the kernel is the first part of the operating system to load [into memory](#) during booting
- (e) All of these
- (f) None of these

☐ **Answer - Click Here:**

**a**

#### 3. The [page fault](#) is the .....

- (a) error in a specific page
- (b) Reference to a page belonging to another program
- (c) Access to a page not currently in memory
- (d) When a program is not currently in memory
- (e) All of these
- (f) None of these

☐ **Answer - Click Here:**

**c**

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**4. Which one of the following does not allow the approach to Deadlocks Handling?**

- (a) Detect & Recover
- (b) Virtual Memory
- (c) Deadlock Prevention
- (d) Deadlock Avoidance
- (e) All of these
- (f) None of these

☐ Answer - Click Here:

**b**

**5. What do you mean by "Operating System"?**

- (a) Link to interface the hardware and application programs
- (b) system [service provider](#) to the application programs
- (c) collection of programs that manages hardware resources
- (d) C and D
- (e) All of these
- (f) None of these

☐ Answer - Click Here:

**e**

**6. What is the initial value of the Semaphore that allows only one of the many processes to enter their critical sections?**

- (a) 0
- (b) 16
- (c) 1
- (d) 8
- (e) All of these
- (f) None of these

☐ Answer - Click Here:

**c**

**7. In which one of the following the Memory allocation policy allocates the largest hole to the process?**

- (a) Worst-Fit
- (b) First-Fit
- (c) Best-Fit
- (d) C and D
- (e) All of these



(f) None of these

☐ Answer - Click Here:

a

**8. What is the main function of the command interpreter?**

(a) To [handle the files in the operating system](#)

(b) to provide the interface between the API and application program

(c) To get and execute the next user-specified command

(d) A and D

(e) All of these

(f) None of these

☐ Answer - Click Here:

c

**9. How we can describe the Algorithm?**

(a) A step by step [procedure for solving](#) a problem

(b) A branch of mathematics

(c) A computer language

(d) C and A

(e) All of these

(f) None of these

☐ Answer - Click Here:

a

**10. Which of the following is also known as the Chunks memory?**

(a) Page

(b) Frame

(c) Sector

(d) Offset

(e) All of these

(f) None of these

☐ Answer - Click Here:

b

**11. Which one of the given above is not a real-time [operating system](#)?**

(a) Palm OS

(b) Windows CE

(c) Mac OS

- (d) RTLinux
- (e) All of these
- (f) None of these

☐ Answer - Click Here:

a

## 12. Which one of the following is a Block device?

- (a) Disk
- (b) Terminals
- (c) Printer
- (d) Mouse
- (e) All of these
- (f) None of these

☐ Answer - Click Here:

a

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## Operating System Multiple Choice Questions

**By:** Prof. Fazal Rehman Shamil **Last Modified:** April 16, 2020

### Operating System Multiple Choice Questions

**1. Which one of the following resources are always be protected by the [operating system](#)?**

- (a) CPU
- (b) I/O
- (c) Memory
- (d) B and A
- (e) All of these
- (f) None of these

☐ **Answer - Click Here:**

**c**

**2. In which of the following multiplexing, Resource management can be done?**

- (a) Space division multiplexing
- (b) Multiplexer
- (c) Time-division multiplexing
- (d) A and C
- (e) All of these
- (f) None of these

☐ **Answer - Click Here:**

**d**

**3. In the following [software types](#) which one is used to simplify using Systems software?**

- (a) Timesharing
- (b) Operating environment
- (c) Spreadsheet
- (d) Multitasking
- (e) All of these
- (f) None of these

☐ **Answer - Click Here:**

**a**

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- (a) Directory Index Table
- (b) File Allocation Table
- (c) File Index Table
- (d) File Folder Table
- (e) All of these
- (f) None of these

☐ Answer - Click Here:

**b**

**5. Which one of the following Scheduling algorithm allocates the CPU first to the process that requests the CPU first?**

- (a) Priority scheduling
- (b) Shortest job scheduling
- (c) First-come, first-served scheduling
- (d) D and A
- (e) All of these
- (f) None of these

☐ Answer - Click Here:

**c**

**6. Where the Job Control Language (JCL) statements are used to?**

- (a) Specify, to the operating system, the beginning and end of a job in a batch
- (b) Allocate the CPU to a job
- (c) Read the input from the slow-speed card reader to the high-speed magnetic disk
- (d) C and D
- (e) All of these
- (f) None of these

☐ Answer - Click Here:

**a**

**7. How can you define Time Quantum in the following above?**

- (a) the multilevel queue scheduling algorithm
- (b) priority scheduling algorithm
- (c) shortest job [scheduling algorithm](#)
- (d) round-robin scheduling algorithm
- (e) All of these
- (f) None of these



d

**8. Which one of the following does not belong to Documentation?**

- (a) Documentation increases the maintenance time and cost
- (b) The documentation gives a better understanding of the problem
- (c) Documentation, of a system, should be as clear and direct as possible
- (d) C and D
- (e) All of these
- (f) None of these

☐ Answer - Click Here:

a

**9. What does the Priority scheduling algorithm do?**

- (a) Equal priority processes can not be scheduled
- (b) CPU is allocated to the process with the lowest priority
- (c) CPU is allocated to the process with the highest priority
- (d) B and A
- (e) All of these
- (f) None of these

☐ Answer - Click Here:

c

**10. Which of the following is belong to Scheduling?**

- (a) Unrelated to performance consideration
- (b) Not required in uniprocessor systems
- (c) Allowing jobs to use the processor
- (d) The same regardless of the purpose of the system
- (e) All of these
- (f) None of these

☐ Answer - Click Here:

c

**11. When a system is in a Safe-state?**

- (a) Safe sequence
- (b) Safe allocation
- (c) Safe resource
- (d) C and D

(e) All of these

(f) None of these

☐ Answer - Click Here:

a

**12. How many processes are involved in the sharing of common data (Dekker's algorithm implements mutual exclusion)?**

(a) 4

(b) 12

(c) 1

(d) 2

(e) All of these

(f) None of these

☐ Answer - Click Here:

d

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## Operating System Structures MCQs

**By:**Prof. Fazal Rehman Shamil **Last Modified:** April 22, 2020

### Operating System Structures MCQs

1.operating [system called](#) a thousand systems are executed per

- A. hour
- B. day
- C. min
- D. sec
- E. None of these

☐ **Answer - Click Here:**

D

2. A web-based computing system, the computer used are normally \_\_\_\_\_?

- A. servers
- B. personal computers
- C. tablets
- D. [network computers](#)
- E. None of these

☐ **Answer - Click Here:**

D

3. Choose one of the best options from the following. Dump of memory of the computer system is examined by the \_\_\_\_?

- A.programmer
- B. debugger
- C.designer
- D.engineer
- E. None of these

☐ **Answer - Click Here:**

B

4.Indicate one of the best options from the following. CloseHandle() call function in [windows operating system](#) is a UNIX’s function called for

- A. fork()
- B. close()
- C. read()
- D. open()
- E. None of these

☐ **Answer - Click Here:**

B

5.Which is not provided by the operating system is\_\_\_\_\_

- A. networking

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- B. user interface
- C. error detection
- D. program execution
- E. None of these

☐ **Answer - Click Here:**

A

6.Choose one of the best options from the following. Chain of the program of a computer system is as strong as its \_\_\_\_

- A. strongest link
- B. weakest link
- C. all links
- D. mid link
- E. None of these

☐ **Answer - Click Here:**

B

7.Which is Friendly user interface provided by operating system \_\_\_\_

- A. graphical user interface
- B. command-line interface
- C. batch interface
- D. device interface
- E. None of these

☐ **Answer - Click Here:**

A

8.Indicate one of the best options from the following. Bourne-again-shell of the operating system is used by

- A. windows
- B. Windows and Mac
- C. Linux
- D. UNIX and Linux
- E. None of these

☐ **Answer - Click Here:**

D

9. Which Number of byte to be read into a buffer of the system is\_\_\_\_\_

- A. WORD bytes to write
- B. WORD bytes to read
- C. DWORD bytes to write
- D. DWORD bytes to read
- E. None of these

☐ **Answer - Click Here:**

D

10.Which Bourne shell in command interpreter of the operating system is used by\_\_\_\_\_

- A. windows
- B. Windows and Macintosh
- C. Macintosh and LINUX

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E. None of these

☐ **Answer - Click Here:**

D

11. Programs of the operating system end \_\_\_\_

- A. Interval
- B. Interruptedly
- C. Normally
- D. Erroneously
- E. None of these

☐ **Answer - Click Here:**

C

12. Choose the best option from the following. The main functionality of command interpreter of the operating system is to

- A. remove commands
- B. execute commands
- C. fetch commands
- D. Decode commands
- E. None of these

☐ **Answer - Click Here:**

B

13. Power failure of a computer system is one of kinds of \_\_\_\_

- A. error
- B. outputs
- C. inputs
- D. Interrupts
- E. None of these

☐ **Answer - Click Here:**

A

14. MAC is a \_\_\_\_?

- A. What is the command-line interface
- B. batch interface
- C. graphical user interface
- D. device interface
- E. None of these

☐ **Answer - Click Here:**

C

15. Choose one of the best options. A buffer of the system from where data will be read is called

- A. LVOID buffer
- B. LPVOID buffer
- C. PVOID buffer
- D. VOID buffer
- E. None of these

☐ **Answer - Click Here:**

B

16. The buffer of the system from where data will be read is known as \_\_\_\_\_

- A. LPVOID buffer
- B. PVOID buffer
- C. LVOID buffer
- D. VOID buffer
- E. None of these

☐ **Answer - Click Here:**

C

17. X-windows operating system is a user's interface that is a common version of\_\_\_\_\_?

- A. windows
- B. MAC OS
- C. Linux
- D. UNIX
- E. None of these

☐ **Answer - Click Here:**

D

18.Indicate best answer. Operating system is mainly comprised of

- A. third party programs
- B. user programs
- C. system programs
- D. both B and C
- E. None of these

☐ **Answer - Click Here:**

D

19.For authentication purpose, operating system requires\_\_\_\_\_

- A. personal computers
- B. servers
- C. login authentication
- D. network computers
- E. None of these

☐ **Answer - Click Here:**

C

20.Choose bset option. In icon based system menus are displayed on\_\_\_\_\_

- A. programs
- B. memory
- C. screen/desktop
- D. Interfaces
- E. None of these

☐ **Answer - Click Here:**

C



21.Windows explorer program are\_\_\_\_\_

- A. command line interface
- B. batch interface
- C. graphical user interface
- D. device interface
- E. None of these

☐ **Answer - Click Here:**

C

22.Operating system programs that are manipulated are asked by the\_\_\_\_\_?

- A. programmer
- B. open source
- C. user
- D. operating system
- E. None of these

☐ **Answer - Click Here:**

C

23.1st version of internet explorer was introduced in\_\_\_\_\_

- A. 20-Jul-90
- B. 16-Aug-95
- C. 16-Feb-98
- D. 16-Jan-00
- E. None of these

☐ **Answer - Click Here:**

B

24. [System calls](#) of operating system is done by\_\_\_\_?

- A. caller
- B. programmer
- C. developer
- D. engineer
- E. None of these

☐ **Answer - Click Here:**

A

25. Which is the best option? Choice of shells in command interpreters of the operating system is chosen by

- A. windows
- B. users
- C. processes
- D. operating system
- E. None of these

☐ **Answer - Click Here:**

D

26. Indicate the best option. Choice of shells in command interpreters of the operating

- A. operating system
- B. users
- C. windows
- D. processes
- E. None of these

☐ **Answer - Click Here:**

C

27. Indicate the best option. X windows operating system is a user interface that is\_\_\_\_\_

- A. command-line interface
- B. device interface
- C. batch interface
- D. graphical user interface
- E. None of these

☐ **Answer - Click Here:**

D

28. For allocating resources [Central Processing Unit](#) has individual \_\_\_\_\_

- A. routines
- B. devices
- C. programs
- D. Processes
- E. None of these

☐ **Answer - Click Here:**

A

29. What is an abbreviation of MAC operating system \_\_\_\_

- A. main operating system
- B. memory operating system
- C. Macintosh [operating system](#)
- D. [mainframe operating system](#)
- E. None of these

☐ **Answer - Click Here:**

C

30. Indicate the best option. The common desktop environment program of an operating system is a \_\_\_\_\_?

- A. command-line interface
- B. device interface
- C. batch interface
- D. graphical user interface
- E. None of these

☐ **Answer - Click Here:**

D

31. Local desktop environment program of the operating system is a\_\_\_\_?

- A. batch interface
- B. graphical user interface
- C. command line interface
- D. device interface
- E. None of these

☐ **Answer - Click Here:**

A

32. Indicate best option. In graphical user interface users uses \_\_\_\_\_

- A. file based interface
- B. mouse based Pointing
- C. command line interface
- D. voice based interface
- E. None of these

☐ **Answer - Click Here:**

B

33. Date of computer system and getting time is \_\_\_\_

- A. [process control](#)
- B. information maintenance
- C. device management
- D. file management
- E. None of these

☐ **Answer - Click Here:**

B

34. Choose best option from the following. Readfile() function of operating system is for reading \_\_\_\_\_

- A. command
- B. processes
- C. files
- D. programs
- E. None of these

☐ **Answer - Click Here:**

C

35. When error appears, program of operating system automatically gets \_\_\_\_\_?

- A. Executed
- B. stored
- C. aborted
- D. Declined
- E. None of these

☐ **Answer - Click Here:**

C

36. Which number of the byte read during the last read of program/memory is \_\_\_\_\_

- A. DWORD bytes to read
- B. LPDWORD bytes to read
- C. LPDWORD bytes to write



☐ **Answer - Click Here:**

B

37. Communication between devices of the system is provided by \_\_\_\_

- A. graphical user interfacing
- B. message passing
- C. shared memory
- D. both b and c
- E. None of these

☐ **Answer - Click Here:**

D

38. Indicate the best option from the following. [System calls](#) of an operating system provide an interface to

- A. programs
- B. processes
- C. Utilities
- D. services
- E. None of these

☐ **Answer - Click Here:**

D

39. KornShell of operating system program is used by the\_\_\_\_\_?

- A. Linux
- B. UNIX
- C. windows
- D. both a and b
- E. None of these

☐ **Answer - Click Here:**

D

40. Choose one of the best options. one that is not a system call category of the program is \_\_\_\_\_

- A. process control
- B. protection
- C. file generation
- D. communication
- E. None of these

☐ **Answer - Click Here:**

C

41. GNOME is a project that was created by \_\_\_\_\_?

- A. GNU
- B. windows
- C. UNIX
- D. Linux
- E. None of these

☐ **Answer - Click Here:**

A

42. In the local interpreter environment of the operating system, commands are executed by \_\_\_\_\_?

- A. windows
- B. Linux
- C. itself
- D. UNIX
- E. None of these

☐ **Answer - Click Here:**

C

43. Delete file of programs and create are \_\_\_\_\_

- A. process control
- B. device management
- C. file management
- D. information maintenance
- E. None of these

☐ **Answer - Click Here:**

C

44. Allocation of output and input devices are provided by

- A. Mediators
- B. operating system
- C. Moderators
- D. Processors
- E. None of these

☐ **Answer - Click Here:**

B

45. In Linux rm file.text commend is used for \_\_\_\_\_?

- A. remove graphics
- B. remove the text file
- C. remove image
- D. remove video
- E. None of these

☐ **Answer - Click Here:**

B

46. Between [application programming interface](#) and system calls, there present a/an \_\_\_\_\_

- A. relationship
- B. interface
- C. correlation
- D. Dependency
- E. None of these

☐ **Answer - Click Here:**

C

47. A Logical extension of multiprogramming operating system is

- A. single programing
- B. multi-tasking
- C. Time-sharing
- D. both b and c
- E. None of these

☐ **Answer - Click Here:**

D

48. Multiprogramming of computer system increases \_\_\_\_?

- A. memory
- B. CPU utilization
- C. storage
- D. cost of computation
- E. None of these

☐ **Answer - Click Here:**

B

49. The environment in which programs of the system are executed is called \_\_\_\_?

- A. nodes
- B. operating system
- C. clustered system
- D. both a and b
- E. None of these

☐ **Answer - Click Here:**

B

50. Every user of computer system that uses computer services has at least \_\_\_\_

- A. 2programs
- B. 1program
- C. 3programs
- D. 4programs
- E. None of these

☐ **Answer - Click Here:**

B

51. System resources of computer can be utilized better in \_\_\_\_?

- A. single program environment
- B. multi program environment
- C. core environment
- D. dual program environment
- E. None of these

☐ **Answer - Click Here:**

B

- A. Solaris
- B. UNIX
- C. Linux
- D. windows
- E. None of these

☐ **Answer - Click Here:**

D

53. Run time support system is a system that is provided by \_\_\_\_\_?

- A. System call routines are mostly written in
- B. system programs
- C. [processes system](#)
- D. calls interface
- E. None of these

☐ **Answer - Click Here:**

D

54. Getting device attributes of the computer is a \_\_\_\_?

- A. process control
- B. information maintenance
- C. device management
- D. file management
- E. None of these

☐ **Answer - Click Here:**

B

55. Environment for execution of programs is provided by \_\_\_\_\_?

- A. inputs
- B. operating system
- C. outputs
- D. memory
- E. None of these

☐ **Answer - Click Here:**

B

56. Indicate best option interfaces of operating system provides \_\_\_\_\_

- A. portability
- B. designing
- C. Reusability
- D. Optimization
- E. None of these

☐ **Answer - Click Here:**

A

57. Aqua user interface was appeared with \_\_\_\_\_?

- A. windows
- B. shells



☐ **Answer - Click Here:**

D

58. Choose one of the best options. directories in Linux are known as

- A. commands
- B. graphics
- C. folders
- D. text
- E. None of these

☐ **Answer - Click Here:**

C

59. In command `rm file.text` of operating system program, `file.txt` is a \_\_\_\_\_?

- A. file type
- B. file name
- C. format
- D. both a and b
- E. None of these

☐ **Answer - Click Here:**

D

60. [System call](#) routines of the operating systems are mostly written in \_\_\_\_\_?

- A. java
- B. C++
- C. C
- D. both b and c
- E. None of these

☐ **Answer - Click Here:**

D

61. Operating System is responsible for transferring data to\_\_\_\_\_?

- A. memory
- B. monitor
- C. ALU
- D. I/O devices
- E. None of these

☐ **Answer - Click Here:**

D

62. Parameters of programs on stack are\_\_\_\_\_?

- A. copied
- B. pushed
- C. popped
- D. both b and c
- E. None of these

D

63. One that is not a type of user interface of the operating system is \_\_\_\_\_?

- A. command-line interface
- B. device interface
- C. batch interface
- D. graphical user interface
- E. None of these

☐ [Answer - Click Here:](#)

B

64. Communication, operating system moves \_\_\_\_\_

- A. processes
- B. programs
- C. packets
- D. Modules
- E. None of these

☐ [Answer - Click Here:](#)

C

65. To point a folder or file a Graphical User Interface uses \_\_\_\_?

- A. voice based interface
- B. common line interface
- C. file based interface
- D. pointer
- E. None of these

☐ [Answer - Click Here:](#)

D

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6. Which of the following for Mutual exclusion can be provided by the

- A. mutex locks
- B. [binary semaphores](#)
- C. both mutex locks and binary semaphores
- D. none of the mentioned
- E. both a and b
- F. None of these

View Answer C

7. When high priority task is indirectly preempted by medium priority the scenario is called

- A. priority inversion
- B. priority removal
- C. priority exchange
- D. priority modification
- E. both a and b
- F. None of these

Answer A

8. Process synchronization can be done on which of the following levels

- A. hardware
- B. software
- C. both hardware and software
- D. none of the mentioned
- E. both a and b
- F. None of these

View Answer C

9. A monitor is a module and monitor which of the following can encapsulates

- A. shared [data structures](#)
- B. procedures that operate on shared data structure
- C. synchronization between concurrent procedure invocation
- D. all of the mentioned
- E. both a and b
- F. none of these

Answer D

10. Which of the following process can be affected by other processes during execution in the system?

- A. init process
- B. child process
- C. parent process
- D. cooperating process
- E. both a and b
- F. None of these

Answer D

11. How can we avoid deadlock

- A. [resource allocation](#) must be done at once
- B. there must be a fixed number of resources to allocate
- C. all deadlock process must be aborted
- D. inversion technique can be used
- E. A and B both
- F. None of these

Answer B

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only F. None of these

Answer C

7. ---- is contained by the page table.

- A. page size
- B. base address of every page
- C. page offset
- D. Page
- E. both a and b
- F. None of these

Answer B

8. for ---- the [page table](#) is maintained by the Operating System.

- A. each instruction
- B. each process
- C. each thread
- D. each address
- E. both a and b
- F. None of these

Answer B

9. The operating system is in?

- A. high memory
- B. System bus
- C. either a or d (depending on the location of interrupt vector)
- D. low memory
- E. both a and b
- F. None of these

Answer C

10. relocation register are used to :

- A. a different [address space](#) to processes
- B. providing less address space to processes
- C. to protect the address spaces of processes
- D. providing more address space to processes
- E. both a and b
- F. None of these

Answer C

### SET 3: Memory Management Mcqs

11. With limit registers and relocation, each logical address must be \_\_\_\_\_ the limit register.

- A. Not equal to
- B. equal to
- C. greater than
- D. less than
- E. both b and c
- F. None of these

Answer D

12. The code that ---- is Transient operating system code.

- A. stays in the memory always
- B. comes and goes as needed
- C. never enters the memory space
- D. is not easily accessible
- E. both a and b
- F. None of these

Answer D

13. the size of the [operating system during program execution](#) is ---- while using transient code.

- A. changed
- B. increased
- C. maintained
- D. decreased
- E. both a, b and c
- F. None of these

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14. Each partition may contain \_\_\_\_\_ when memory is divided into several fixed sized partitions.

- A. multiple processes at once
- B. exactly one process
- C. Two process
- D. at least one process
- E. both a and b
- F. None of these

Answer B

15. the degree of multiprogramming is bounded to which extent In fixed-sized partition?

- A. All of these
- B. the memory size
- C. the CPU utilization
- D. the number of partitions
- E. both a and b
- F. None of these

Answer D

### SET 3: Memory Management Mcqs

16. The strategies like the first [fit, best fit and worst fit](#) are used to select a \_\_\_\_\_.

- A. process from a queue to put in storage
- B. process from a queue to put in memory
- C. [processor](#) to run the next process
- D. free hole from a set of available holes
- E. both c and b
- F. None of these

Answer D

17. The number of ---- can be granted by the Owner of [address space](#).

- A. Computers
- B. Modules
- C. Pages
- D. Devices
- E. both c and b
- F. None of these

Answer C

18. To load and store the system data from [memory](#) ---- is used.

- A. register
- B. RAM
- C. ROM
- D. Buses
- E. both c and b
- F. None of these

Answer A

19. The stack pointer is a register that points to the:

- A. [Push of the stack](#)
- B. Bottom of the stack
- C. Top of the stack
- D. [Pop of the stack](#)
- E. both a and b
- F. None of these

Answer C

20. To read the----- I/O instruction transfer is used.

- A. Information
- B. Instructions
- C. Description
- D. Data
- E. both c and b
- F. None of these

Answer D





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# Deadlock MCQs Questions Answers

By:Prof. Fazal Rehman Shamil Last Modified: April 22, 2020

## Deadlock MCQs Questions Answers

- Which requested resources are granted with deadlock detection?
  - Resources
  - Processes
  - Programs
  - Users
  - Data
  - Both C &D
 Answer: B
- Prevention strategies of deadlock are very...?
  - Simple
  - Complex
  - Conservative
  - Straight
  - Difficult
  - Both A&B
 Answer: C
- Which [thread](#) management work done by a pure Kernel Level Thread facility?
  - Kernel
  - Program
  - Application
  - Threads
  - Data
  - Information
 Answer: A
- Which labs initially developed by UNIX?
  - NASA
  - Microsoft
  - Kaspersky
  - Bell
  - Dell
  - Both A&B
 Answer: D
- The advantage of Multiprocessor system is ...
  - Operating system
  - Expensive hardware
  - Microsoft
  - Data collection
  - Increased Throughput
  - Both A and B
 Answer: E
- Win32 application [programming interfaces](#) are for
  - Windows
  - UNIX
  - Linux
  - Microsoft
  - Solaris
  - Both B&C
 Answer: A
- ..... that implies an unsafe state.
  - the existence of deadlock
  - that [deadlock](#) will eventually occur
  - the pages of deadlock
  - that some unfortunate sequence of events might lead to deadlock

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only E. none of these

Answer: D

8. Which one process cannot overwrite another's a memory, either inadvertently or maliciously.

- A. sections
- B. partitions
- C. modules
- D. regions
- E. frames
- F. both A&B

Answer: B

9. .... That can be loaded into adjacent "holes" in the main memory.

- A. segments
- B. frames
- C. partitions
- D. pages
- E. regions
- F. None of these

Answer. A

10. System's evaluate common schedule strategies.

- A. throughput
- B. means response time
- C. variance of response time
- D. all of the above
- E. both A&B
- F. no response time

Answer: D

11. How much time will spend when [LRU replaces the page](#)?

- A. shortest time in memory
- B. shortest time in memory without being referenced
- C. longest time in memory
- D. longest time in memory without being referenced
- E. both A&B
- F. both C&D

Answer: D

12. Why Spooling helps?

- A. while printing when computer release to do other things
- B. jobs go more smoothly with less stop
- C. printing it is a more secure method of accessing data
- D. none of the above
- E. both B&C
- F. both A&C

Answer: A

13. OS spends much of its time paging also instead of executing [applications software](#), it is called.....

- A. spooling
- B. formatting
- C. thrashing
- D. booting
- E. scanning
- F. both A&B

Answer: C

14. .... is an interrupt handler.

- A. memory location that keeps track
- B. peripheral devices
- C. operating device
- D. numeric code that indicated the priority request
- E. utility program
- F. None of these

Answer: E

15. Running process does not interrupt by .....

- A. device
- B. timer interrupts
- C. power failure
- D. [scheduling process](#)

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- E. both A&B
- F. none of above

Answer: A

16. .... is an Overlay.

- A. a part of an OS
- B. a specific memory location
- C. overloading the system with many users fills
- D. a contiguous memory that was used in the olden days for running
- E. both A&B
- F. None of these

Answer: C



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# Unix Operating system solved MCQ's Questions Answers

**By:**Prof. Fazal Rehman Shamil **Last Modified:** April 22, 2020

Let us see a list of important Unix Operating system solved MCQ's Questions Answers.

1. Which of the following is not related to UNIX?

- A. UNIX was not written in C language
- B. Linux is also a version of UNIX
- C. UNIX is not for a window
- D. None of these

Ans:

☐ **Answer - Click Here:**

2. The first line of shell starts with.

- A. @
- B. #
- C. &
- D. %

Ans:

☐ **Answer - Click Here:**

3. dev/null is a

- A. software
- B. command
- C. file
- D. None of these

Ans:

☐ **Answer - Click Here:**

4. The minimum number of links for any directory file?

- A. 5
- B. 6
- C. 7
- D. 2

Ans:

☐ **Answer - Click Here:**

5. Following command in UNIX are used to set the task priority?

- A. kil
- B. nice
- C. it
- D.ps

Ans:

☐ **Answer - Click Here:**

6. The following part of the UNIX operating system interacts with its hardware?

- A. Vi editor
- B. shell
- C. kernel
- D. none of these

Ans:

☐ **Answer - Click Here:**

7. The following command is used for making the scripts interacting?

- A. chmod +w
- B. chmod +rw
- C. chmod +r
- D. chmod +x

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Ans:

☐ [Answer - Click Here:](#)

8. Following one is the advantage of binary files over text file is that?

- A. they are much reliable
- B. it is compact
- C. it can be accessed faster
- D. all of these

Ans:

☐ [Answer - Click Here:](#)

9. All directories of users are usually placed in .....directory?

- A. ldev
- B. user
- C. urw
- D. lusr

Ans:

☐ [Answer - Click Here:](#)

10. The files of any block in the UNIX file system is?

- A. 2048
- B. 512
- C. 1024
- D. any of the above

Ans:

☐ [Answer - Click Here:](#)

11. The UNIX operating system uses?

- A. handshaking
- B. affinity scheduling
- C. infinity scheduling
- D. Fair primitive scheduling

Ans:

☐ [Answer - Click Here:](#)

12. Superuser means that?

- A. system user
- B. system manager
- C. normal user
- D. Administrator

Ans:

☐ [Answer - Click Here:](#)

13. Shell's internal tool is related to read command?

- A. no
- B. yes
- C. both A and B
- D. none of these

Ans:

☐ [Answer - Click Here:](#)

14. Each entry in the inode table is the size of?

- A. 32kb
- B. 64 Gb
- C. 64kb
- D. 64 bytes

Ans:

☐ [Answer - Click Here:](#)

15. Which command is used to see the last access time of various files in a file system?

- A. ls-mt
- B. ls-lu

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- C. rmt
- D. none of these

Ans:

☐ [Answer - Click Here:](#)

16. Which directory file system in UNIX is used?

- A. tree directory
- B. diamond directory
- C. hierarchical directory
- D. graph-structured directory

Ans:

☐ [Answer - Click Here:](#)

17. The windowing system of UNIX is called?

- A. LINUX
- B. UNIX
- C. DOS
- D. X windowing system

Ans:

☐ [Answer - Click Here:](#)

18. The first argument is read by the shell into printer is known as?

- A. \$1
- B. \$@
- C. \$#
- D. \$2

Ans:

☐ [Answer - Click Here:](#)

19. Which one is not true?

- A. sort is nor a filter
- B. sorting is done on the basis of the first character of each line?
- C. sort command sort a file word by word rather than line by line
- D. none of these

Ans:

☐ [Answer - Click Here:](#)

20. The commands head f1 would be displayed?

- A. nothing
- B. the whole file f1
- C. First 10 lines of the file f1
- D. none of these

Ans:

☐ [Answer - Click Here:](#)

21. In UNIX which of the following information is not the part of the user?

- A. kernel task
- B. task scheduling
- C. scheduling parameters
- D. [system call states](#)

Ans:

☐ [Answer - Click Here:](#)



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# Operating Systems OS MCQs-Important

By:Prof. Fazal Rehman Shamil Last Modified: April 19, 2020

## Operating Systems OS MCQs-Important

Let’s see some important most asked [Operating Systems](#) MCQs.

1. Who decided the minimum number of frames be allocated to a process?

- A. operating System
- B. the amount of available physical memory
- C. instruction set architecture
- D. none of the above
- E. All of the above

☐ Answer - Click Here:

C

2. Which implementation is used to separate mechanism from the policy in the [operating system](#)?

- A. Two level implementation
- B. Multi level implementation
- C. Single level implementation
- D. None
- E. All of the above

☐ Answer - Click Here:

A

3. \_\_\_\_\_ is called [operating system](#)?

- A. link to interface the hardware and application programs
- B. collection of programs that manages hardware resources
- C. system service provider to the application programs
- D. None
- E. all of the above

☐ Answer - Click Here:

E

4. Before an executing instruction is complete a [page fault](#) occurs :

- A. the instruction must be restarted
- B. the instruction must be completed ignoring the [page fault](#)
- C. the instruction must be ignored
- D. none of these
- E. All of the above

☐ Answer - Click Here:

A

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- SET 3: Operating Systems
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- SET 5: Operating Systems
- SET 6: Operating Systems

5. \_\_\_\_\_ is created by the operating system from the physical computer.

- A. Virtual device
- B. Virtual computers
- C. Virtual space
- D. None
- E. All of the above

☐ Answer - Click Here:

**B**

6. Who provides an interface to access the services of the operating system?

- A. Assembly instructions
- B. Library
- C. API
- D. [System calls](#)
- E. None

☐ Answer - Click Here:

**D**

7. Suppose a machine in which all memory reference instructions have only one memory address, How many frame(s) do we need?

- A. three
- B. two
- C. one
- D. none

☐ Answer - Click Here:

**B**

8. Which of them shares characteristics with both hardware and software?

- A. Operating system
- B. Data
- C. Software
- D. None
- E. All of the above

☐ Answer - Click Here:

**A**

9. Which one is False?

- A. kernel is the program that constitutes the central core of the operating system
- B. kernel is made of various modules which can not be loaded in running operating system
- C. kernel is the first part of the operating system to load into memory during booting
- D. kernel remains in the memory during the entire computer session

☐ Answer - Click Here:

**10. The maximum number of frames in a process is defined by :**

- A. operating System
- B. instruction set architecture
- C. the amount of available physical memory
- D. none of the above
- E. All of the above

☐ **Answer - Click Here:**

C

**11. Multi programming systems \_\_\_\_\_.**

- A. Execute each job faster
- B. Are used only one large [mainframe computers](#).
- C. Execute more jobs in the same time period
- D. Are easier to develop than single programming systems

☐ **Answer - Click Here:**

C

**12. \_\_\_\_\_ error will be [handle](#) by the operating system.**

- A. power failure
- B. connection failure in the network
- C. lack of paper in printer
- D. all of the above

☐ **Answer - Click Here:**

D



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## File system Interface MCQS Questions Answers in Operating Systems

By:Prof. Fazal Rehman Shamil Last Modified: April 22, 2020

### File system Interface MCQs Questions Answers in Operating Systems

File System Interface Protection MCQs are the collection of important MCQs. These MCQs target the subject of the [operating system](#). Please note that the operating system is a compulsory subject.

#### SET 1: File system Interface MCQs

1. Reliability of files can be enhanced by :
- a)by keeping duplicate copies of the file
  - b) making a different partition for the files
  - c) by keeping them in external storage
  - d) keeping the files safely in the memory

Answer A

2. security is only provided at the \_\_\_\_\_ level.
- a) none of the mentioned
  - b) high
  - c) central
  - d) lower

Answer D

3. The major issue with access control lists is :
- a) their maintenance
  - b) all of the mentioned
  - c) their permissions
  - d) their length

Answer D

4. Many systems recognize three classifications of users in connection with each file (to condense the access control list) :
- a) ) Universe
  - b) Group
  - c) owner
  - d) All of the mentioned

Answer D

#### SET 2: File system Interface MCQs

- 5.in a group, All users get \_\_\_\_\_ access to a file.
- a) different
  - b)same
  - c) similar
  - d) none of the mentioned

Answer C

6. The universe consists of :
- a) all users in the system
  - b) all users that are not owners
  - c)all users that aren't included in the group or owners
  - d) none of the mentioned

Answer A

7. groups can be modified and created In UNIX by :
- a) any user
  - b)superuser

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only  
c) the people in the group only  
d) a programmer only  
Answer B

8. three bits used To control access the in UNIX are represented by :  
a) r  
b) all of the mentioned  
c) x  
d) w  
Answer B

### SET 3: File system Interface MCQs

9. by a password If each access to a file is controlled, then the disadvantage is that :  
a) it is not reliable  
b) all of the mentioned  
c) it is not efficient  
d) ) user will need to remember a lot of passwords  
Answer D

10. In a different level directory structure :  
a) the subdirectories do not need protection once the directory is protected  
b) the same previous techniques will be used as in the other structure  
c) a mechanism for directory protection will have to apply  
d) none of the mentioned  
Answer C

11. the directory protection is handled in Unix \_\_\_\_\_ to the file protection.  
a) none of the mentioned  
b) it is not handled at all  
c) similar  
d) different  
Answer C

12. , each containing a file system or \_\_\_\_\_, Disks are segmented into one or more partitions.  
a) left 'ripe'  
b) made into swap space  
c) made into backup space  
d) left 'raw'  
Answer D

13. such as access by fraudulent people , Destruction of files for malicious reasons is classified as being  
a) unauthorized access  
b) accessed  
c) destroyed  
d) modified  
Answer D

14. if the order of operation on two or more files are similar in files, then the operation will be  
a) sequential  
b) combinational  
c) complex  
d) simple  
Answer D

15. in which records are accessed from and inserted into file Access is classified as;  
a) random access  
b) duplicate access  
c) direct access  
d) sequential access  
Answer D

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# Virtual Memory MCQS Questions Answers in Operating Systems

By:Prof. Fazal Rehman Shamil    Last Modified: April 22, 2020

## Virtual Memory MCQs Questions Answers in Operating Systems

Virtual [Memory](#) MCQs Questions Answers in Operating Systems is the set of important MCQs of virtual memory.

### SET 1: Virtual Memory MCQs

1. What a virtual-memory miss is called?

- a)Hit miss
- b)Page hit
- c)Page miss
- d)Page fault

Answer

d)Page fault

2.a process is copied into the main [memory](#) from the secondary memory

- a) Swapping
- b) Paging
- c) Segmentation
- d) [Demand paging](#)

Answer

d) demand paging

3. process is trash

- a) it spends more time paging than executing
- b) it spends less time paging than executing
- c) [page fault](#) occurs
- d)swapping can not take place

Answer

- a) it spends more time paging than executing
- c) individual page of a process

4. in which Swap space exists

- a) cpu
- b) [primary memory](#)
- c) secondary memory
- d) none of the mentioned

Answer

c) secondary memory

### SET 2: Virtual Memory MCQs

5. When a program tries to access a page that is mapped in [address space](#) but not loaded in physical memory, then what occurs

- a) page fault occurs
- b) fatal error occurs
- c) segmentation fault occurs
- d) no error occurs

Answer

a) page fault occurs

6. Effective access time is directly proportional to

- a) memory access time
- b)page-fault rate
- c) hit ratio
- d) none of the mentioned

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only  
Answer  
b) page fault rate

7. In [FIFO page replacement algorithm](#), when a page must be replaced what is chosen

- a) oldest page is chosen
- b) newest page is chosen
- c) median page is chosen
- d) none of the mentioned

Answer

- a) oldest page is chosen

8. whenever the [page required to be replaced](#) which algorithm chooses the page that has not been used for the longest period of time?

- a) additional reference bit algorithm
- b) [least recently used algorithm](#)
- c) counting based [page replacement](#) algorithm
- d) first in first out algorithm

Answer

- b) least recently used algorithm

### SET 3: Virtual Memory MCQs

9. The pager concerns with the

- a) entire thread
- b) first page of a process
- c) individual page of a process
- d) entire process

Answer A

10. Working set model for [page replacement](#) is based on the assumption of

- a) globalization
- b) random access
- c) modularity
- d) locality

Answer

- d) locality

11. what memory is called separation of user logical memory and physical memory

- a) Memory sharing
- b) Virtual memory
- c) Memory management
- d) Memory control

Answer

- b) Virtual memory

12. Is [logical Address space](#) can be larger than physical address space?

- a) True
- b) False

Answer

- a) True

13. Virtual Memory can be implemented via?

- a) Simple division
- b) Logical paging
- c) Demand Paging
- d) Complex division

Answer

- c) Demand Paging

14. COW stands for?

- a) Convert overwrite
- b) Copy overwrite
- c) Cut overwrite
- d) Copy overwrite

View Answer

- d) Copy overwrite

15. LRU stands for?

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- a) Less Recently used
- b) Least Recurrently used
- c) Least Randomly used
- d)Least Recently used

Answer

- b) Least Recurrently used

16. What allocation uses a proportional allocation scheme using priorities rather than size.

- a) Simple allocation
- b) File allocation
- c) Priority allocation
- d)Preference allocation

Answer

- c) Priority allocation

17. Which a process selects a replacement frame from the set of all frames.

- a) Global replacement
- b) Local replacement
- c) Module replacement
- d)Block replacement

Answer

- a) Global replacement

## SET 4: Virtual Memory MCQs

18. Any program, no matter how small, occupies an entire partition. known as

- a) fragmentation
- b) [external fragmentation](#)
- c) internal fragmentation
- d)prior fragmentation

Answer

- c) internal fragmentation

19. Which process is busy swapping pages in and out.

- a) Division
- b)External Fragmentation
- c) Thrashing
- d) Compaction

Answer

- c) Thrashing

20. select the most nearest answer for one or more physically contiguous pages.

- a) Allocator
- b) Object
- c) Slab
- d) Cache

Answer

- c) Slab

21.technique is implemented by magnetic disk for secondary memory is called

- a)Main memory
- b)Cache
- c)Buffer
- d)Virtual memory

Answer

- d)Virtual memory

22. The memory can be shared among ,because of virtual memory

- a) threads
- b) processes
- c) instructions
- d) none of the mentioned

Answer

- b) processes



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# Primary Memory Solved MCQs Questions Answers

By:Prof. Fazal Rehman Shamil Last Modified: April 22, 2020

## Primary Memory Solved MCQs Questions Answers

1. Which type of memory can read data but can't write data?
- A. Random only memory
  - B. Random-access memory
  - C. Read-only memory
  - D. None of the above

Ans:

☐ Answer - Click Here:

C

2. Which type of memory can speed up computer processing?

- A. ROM
- B. Cache memory
- C. Registers
- D. Both A & B

Ans:

☐ Answer - Click Here:

B

- 3.Which one is volatile?

- A. DROM
- B. [Secondary memory](#)
- C. RAM
- D. Random Only memory

Ans :

☐ Answer - Click Here:

C

- 4.Which memory is onboard storage?

- A. Random-access memory
- B. Cache memory
- C. [Virtual memory](#)
- D. Random Only memory

Ans :

☐ Answer - Click Here:

B

5. From where the processor can access data fastly?

- A. Random-access memory
- B. Cache memory
- C. Registers
- D. Secondary memory

Ans :

☐ Answer - Click Here:

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C

6. Which [type of ROM](#) contains no Initial storage at the time of manufacturing?

- A. PROM
- B. EROM
- C. DROM
- D. Both A&B

Ans:

☐ [Answer - Click Here:](#)

A

7. Which one is not known as type of computer memory?

- A. DRAM
- B. SRAM
- C. FRAM
- D. EPROM

Ans:

☐ [Answer - Click Here:](#)

C

8. How many bits contains by Cells of computer memory?

- A. 16 Bits
- B. 32 Bits
- C. 4 Bits
- D. 8 Bits

Ans :

☐ [Answer - Click Here:](#)

D

9. Which memory is necessary to refresh many times in one second?

- A. Dynamic RAM
- B. Static RAM
- C. EPROM
- D. ROM

Ans :

☐ [Answer - Click Here:](#)

A

10. RAM of a computer is

- A. External Memory
- B. Internal Memory
- C. Auxiliary
- D. None of the Above

Ans :

☐ [Answer - Click Here:](#)

B

11. Flash memory is Also Known as.....

- A. Flash RAM
- B. Flash ROM
- C. Flash DROM
- D. Flash SRAM

Ans :

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A

12.Primary memory is used for storing.....

- A. Data only
- B. Calculations only
- C. Programs only
- D. All of the Above

Ans :

☐ **Answer - Click Here:**

D

13.The size of primary memory of computer in between

- A. 2KB & 8KB
- B. 8KB & 64KB
- C. 64KB & 256KB
- D. 256KB & 640KB

Ans :

☐ **Answer - Click Here:**

D

14.Memory is a part of

- A. Input device
- B. Output device
- C. [Central processing Unit](#)
- D. Control Unit

Ans :

☐ **Answer - Click Here:**

C

15.Whic one is ROM storage device?

- A. Floppy disk
- B. USB Device
- C. [Hard Disk](#)
- D. CD-ROM

Ans :

☐ **Answer - Click Here:**

D



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# Linux process Management MCQs – Solved

**By:**Prof. Fazal Rehman Shamil **Last Modified:** April 22, 2020

- Let us see the very important Linux process management Mcqs.
- How programs act when the execution in background attempts to read from STDIN?
    - STDIN is made available to it
    - Its execution is suspended
    - It is terminated
    - None of these
 Answer: B
  - Which of the following command use to background process to foreground?
    - GB
    - background
    - fg
    - bg
 Answer: C.
  - How [Process synchronization](#) of programs is done in Linux process management?
    - input
    - output memory
    - operating system
    - none of these
 Answer: C
  - which of the following is a Friendly user interface provided by the operating system?
    - Device user interface
    - graphical user interface
    - batch interface
    - none of these
 Answer: B
  - A signal is a software mechanism that tells a
    - User
    - Processor
    - Program
    - Process
 Answer: D.
  - How to run a process in the background of Linux process management?
    - &
    - ?
    - \*
    - |
 Answer: A.
  - Process information in the current shell can be obtained by using
    - gf
    - bg
    - gb
    - ps
 Answer: D
  - Linux process or task is represented by a
    - task struct
    - task build
    - task construct
    - none of these
 Answer: D.
  - A command which is used to set terminal IO characteristic is called?
    - tty
    - pps
    - stty
    - tssy
 Answer: C.
  - The default maximum number of process in Linux exist called?
    - 1024

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only B.32768  
C.unlimited  
D.4096

Answer: C

11.Return value of fork () can be represented as?

- A. -1,>0,0
- B. 0,<0,-1
- C. -1,<0
- D.none of these

Answer: A

12. The maximum time slice that can be given to a process in Linux is

- A.400ms
- B.10ms
- C.600ms
- D. none of these

Answer: C.

13.what is the output of the following program?

```
1 int main()  
2 {  
3 fork();  
4 fork();  
5 fork();  
6 if (wait(0) == -1)  
7 printf("leaf child\n");  
8 }
```

- A.'leaf child' will be printed as 4 times
- B.'leaf child' will be printed as 2 time
- C.'leaf child will' will be printed as 5 times
- D.none of these

Answer: A.

14. Linux new process can be created by copying?

- A.object
- B.attributes
- C.class
- D.none of these

Answer: B.

15. Which process is used to create by parent process in Linux?

- A. child
- B. zombie process
- C. orphan process
- D. none of these

Answer: A.



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## Linux Startup and Shutdown MCQs

**By:**Prof. Fazal Rehman Shamil **Last Modified:** April 22, 2020

### Linux Startup and Shutdown MCQs

Let us see the Linux Startup and Shutdown MCQs.

1. Single-mode shell runs as

- a) Admin user
- b) log user
- c) single user
- d) root user

Answer is d

2. initrd is a file of Linux;

- a) Containing root file-system necessary during startup
- b) Contains only scripts for running during startup
- c) both a b
- d)None of these

View Answer d

3. when the system is booted, then which of the following is loaded in memory?

- a) shell
- b) scripts
- c) kernel
- d) commands

View Answer c

4. The reason for starting up a computer called

- a) Bootstrapping
- b) Booting
- c) Boot loading
- d) Boot record

View Answer a

5.the another name of Bootstrapping

- a) cold boot
- b) quick boot
- c) Hot boot
- d) slow boot

View Answer a

6. for Single [user mode](#) shell used is:

- a) bsh
- b) sh
- c) csh
- d) ksh

View Answer b

7. not a suitable run-level

- a) S
- b) 8
- c) 1
- d) 0

Answer b

8. Which one is partition mounted in Single user mode

- a) boot
- b) tmp
- c) root
- d) usr

View Answer c

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9. Which daemon manages the [physical memory](#) when another physical memory is required.

- a) process daemon
- b) init daemon
- c) swap daemon
- d) sched daemon

View Answer c

10. which function is started at the end of kernel bootstrap?

- a) /etc/kernel
- b) /etc/init
- c) /etc/user
- d) /etc/swap

Answer b

11. init process id is:

- a) -1
- b) 4
- c) 2
- d) 1

Answer is a

12. To get the default run level, which function is read by init

- a) /etc/kernel
- b) /etc/boot
- c) /etc/init
- d) /etc/inittab

View Answer d



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# Linux File Permissions Solved MCQs

By:Prof. Fazal Rehman Shamil Last Modified: April 22, 2020

## Linux File Permissions Solved MCQs

Let us see the Linux File Permissions Solved MCQs.

1. 764 File Permission means?
- A) Everyone can read,write and execute.
  - B) Everyone can read, group can execute only and the owner can read and write.
  - C)Everyone can read, write and execute.
  - D)Every one can read, group including owner can write, owner can execute.

☐ Answer - Click Here:

D

- 2.Representation of permission of rwxr-r in octal experssion is?
- A) 711
  - B) 777
  - C) 666
  - D) 744

☐ Answer - Click Here:

D

- 3.How effective user id can be set?

- A) 1711
- B) 0886
- C) 2666
- D) 4744

☐ Answer - Click Here:

D

- 4.Through which permission sticky bit can be set?

- A) 4744
- B) 1711
- C) 2666
- D)0777

☐ Answer - Click Here:

B

- 5.Representation of the permission of rwsr-r in octal expression is ?

- A) 2666
- B) 4744
- C) 4644
- D)0777

☐ Answer - Click Here:

C

6. Representation of the permission of rwxr-sr in octal expression is

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A) 2754  
 B) 0777  
 C) 2766  
 D) 2744  
 Answer A

☐ **Answer - Click Here:**

C

7. What will happen if a user removes(rm) readonly file(444 permission)?

A) Because of insufficient permissions rm command fails  
 B) The file is removed successfully (and silently)  
 C) Rm command points out the confirmation that the command is successful upon confirmation  
 D) Rm command point out the confirmation, however, the operation fails because of insufficient permissions

☐ **Answer - Click Here:**

C

8. For applying a chmod operation on a file what will happen?

A) The file last change time is updated.  
 B) The file's last accessed time is updated.  
 C) File last modification time is updated.  
 D) None of the mentioned.

☐ **Answer - Click Here:**

A

9. Permission of new directory according to umask 0002 is?

A) 664  
 B) 777  
 C) 775  
 D) 774

☐ **Answer - Click Here:**

C

10. In the directory of /home/user1/direct the command for all the [files and subdirectories](#) to execute the permission is ?

A) chmod -F +x /home/user1/direct  
 B) chmod -A +x /home/user1/direct  
 C) chmod -R +x /home/user1/direct  
 D) chmod -r +x /home/user1/direct

☐ **Answer - Click Here:**

C



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Linux File Permissions MCQs Questions Answers

By:Prof. Fazal Rehman Shamil Last Modified: April 22, 2020

Linux File Permissions MCQs Questions Answers

Let us see the Linux File Permissions MCQs Questions Answers.

1. the link counter of the file will increased by soft line .(T/F)
- a) True
  - b) false
  - c) both a and b
  - d) none of these
  - e) all of the above

View Answer

Answer: b

2. which of the following occurs for ln command?
- a) a file is created that is a copy of an existing file
  - b) a file is moved from one location to another
  - c) a file is renamed
  - d) that points to an existing file is created by a file
  - e)none of these

View Answer

Answer: d

- 3.Executable or binary files will be:
- a) Device files
  - b) Regular files
  - c) Special files
  - d) Directory files
  - e)both a and b

View Answer

Answer: b

4. srwxr-xrw- is a
- a) internet file
  - b) symbolic linked
  - c) shared file
  - d) unix domain socket file
  - e)both a and d

View Answer

Answer: d

5. The [directory file](#) have:
- a) File names & File location
  - b) File names & Inode Numbers
  - c) File names & Permissions
  - d) File names & Address

View Answer

Answer: b

- 6.Directory have following device special files?
- a) /etc
  - b) /etc/dev
  - c) /etc/bin
  - d) /dev
  - e) /root/bin

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Answer: d

7. On Linux which of the following is not a valid file type

- a) Socket
- b) Inode
- c) Softlinked
- d) FIFO
- e) LIFO

View Answer

Answer: b

8. Which is not correct statement regarding file types?

- a) Hard links share same inode number
- b) Socket files are Unix domain sockets
- c) Soft links cannot be created across partitions
- d) Character file is a special file
- e) none of these

View Answer

Answer: c

9. Device files have following two types?

- a) Character & Block
- b) Character & Socket
- c) Block & FIFO
- d) Input & output
- e) both e and d

View Answer

Answer: a

10. Which is an example of Terminal?

- a) [Hard disk](#)
- b) CD-ROM
- c) character special file
- d) Memory
- e) RAM

View Answer

Answer: c

11. Which is an example for CD-ROM?

- a) Virtual Terminal
- b) block special file
- c) Terminal
- d) Serial modem
- e) [hard disk](#)

View Answer

Answer: b

12. In which directory all device files are stored?

- a) /usr
- b) /bin
- c) /dev
- d) /etc
- e) both a and c

View Answer

Answer: c

13. In Linux a user can upload

- a) UNIX
- b) I/O Devices
- c) Kernel Modules
- d) File Base I/O
- e) I/O Modules

Answer c

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- a) Access file
- b) Control file
- c) hard disk file
- d) Proc interrupts file
- e) Interrupts file

Answer d

15. The [Linux file system](#) is created by using the following command

- a) fsck
- b) mkfs
- c) mount
- d) both b and c
- e) None of the mentioned

answer b

16. [Kernal](#) is-- of Linux operating system

- a) core
- b) Shell
- c) Terminal
- d) Command
- e) none of these

17. Which of the following command is used for removing the files?

- a) escape
- b) rm
- c) dm
- d) erase
- e) delete

answer b

18. The dictionary is removed by using which of the following command?

- a) rdir
- b) rd
- c) rdr
- d) rmdir
- e) None of the above

answer d

19. Which of the following command is used to record session in Linux?

- a) session
- b) transcript
- c) script
- d) both a and c
- e) None of the above

answer c

20. Which of the following range of Linux system?

- a) -20 to 0
- b) -20 to 10
- c) -20 to 19
- d) 0 to 19
- e) 10 to 10

answer c



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Answer: C

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# Process Synchronization Solved MCQs Questions Answers

**By:**Prof. Fazal Rehman Shamil **Last Modified:** April 22, 2020

## Process Synchronization Solved MCQs Questions Answers

1. Which of the following variable wait within the to enable a process

- A. a condition is defined by a condition variable
- B. objects Boolean objects can be used by condition variables
- C. semaphore must be used
- D. all of the mentioned
- E. both a and b
- F. None of these

View Answer A

2. In which the access takes place when different processes try to access the same data concurrently and the outcome of the [execution](#) depends on the specific order, is called

- A. dynamic condition
- B. [race condition](#)
- C. essential condition
- D. critical condition
- E. both a and b
- F. None of these

Answer B

3. Which of the following option is suitable when a process is executing in its [critical section](#), then no other processes can be executing in their critical section

- A. [mutual exclusion](#)
- B. critical exclusion
- C. synchronous exclusion
- D. d asynchronous exclusion
- E. e. both a and b
- F. f. none of these

Answer A

5. Synchronization tool is?

- A. thread
- B. pipe
- C. semaphore
- D. socket
- E. both a and b
- F. None of these

Answer C

5. A semaphore is a shared integer variable that can not

- A. drop below zero
- B. be more than zero
- C. drop below one
- D. that cannot be more than one
- E. both a and b
- F. None of these

Answer A

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6. Which of the following for Mutual exclusion can be provided by the

- A. mutex locks
- B. [binary semaphores](#)
- C. both mutex locks and binary semaphores
- D. none of the mentioned
- E. both a and b
- F. None of these

View Answer C

7. When high priority task is indirectly preempted by medium priority the scenario is called

- A. priority inversion
- B. priority removal
- C. priority exchange
- D. priority modification
- E. both a and b
- F. None of these

Answer A

8. Process synchronization can be done on which of the following levels

- A. hardware
- B. software
- C. both hardware and software
- D. none of the mentioned
- E. both a and b
- F. None of these

View Answer C

9. A monitor is a module and monitor which of the following can encapsulates

- A. shared [data structures](#)
- B. procedures that operate on shared data structure
- C. synchronization between concurrent procedure invocation
- D. all of the mentioned
- E. both a and b
- F. none of these

Answer D

10. Which of the following process can be affected by other processes during execution in the system?

- A. init process
- B. child process
- C. parent process
- D. cooperating process
- E. both a and b
- F. None of these

Answer D

11. How can we avoid deadlock

- A. [resource allocation](#) must be done at once
- B. there must be a fixed number of resources to allocate
- C. all deadlock process must be aborted
- D. inversion technique can be used
- E. A and B both
- F. None of these

Answer B

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# CPU Scheduling Solved MCQ's Questions Answers

By:Prof. Fazal Rehman Shamil Last Modified: April 22, 2020

## CPU Scheduling Solved MCQ's Questions Answers

- which of the following can not be scheduled by the kernel?
  - process
  - user-level thread
  - kernel-level thread
  - none of the mentioned

☐ Answer - Click Here:

B
- if \_\_\_\_\_ rule sequences the jobs Orders are processed in the sequence they arrive
  - first come, first served
  - critical ratios
  - earliest due date
  - lack time remaining

☐ Answer - Click Here:

A
- [scheduling algorithm](#) In multilevel feedback
  - processes are not classified into groups
  - a process can move to a different classified ready queue...
  - classification of the ready queue is permanent
  - none of the mentioned

☐ Answer - Click Here:

B
- Select one which algorithms tend to minimize the process flow time?
  - First come First served
  - Earliest Deadline First
  - Shortest Job First
  - Longest Job First

☐ Answer - Click Here:

C
- The process can be classified into many groups in
  - [shortest job scheduling algorithm](#)
  - multilevel queue scheduling algorithm
  - round-robin scheduling algorithm
  - priority scheduling algorithm

☐ Answer - Click Here:

B
- The turnaround time for short jobs during multiprogramming is usually Shortened and that for long jobs is slightly \_\_\_\_\_

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- only
- A. Shortened
  - B. Unchanged
  - C. Lengthened
  - D. Shortened

☐ **Answer - Click Here:**

C

7. Time quantum can be said

- A. multilevel queue scheduling algorithm
- B. round-robin scheduling algorithm
- C. shortest job scheduling algorithm
- D. priority scheduling algorithm

☐ **Answer - Click Here:**

B

8. Selects the statements which are true according to GATE 2010.

- i. starvation may be caused by Shortest remaining time first scheduling
- ii. starvation may be caused by Preemptive scheduling
- iii. in terms of response time, Round robin is better than FCFS

- A. all the given option
- B. i only
- C. ii and iii only
- D. i and iii only

☐ **Answer - Click Here:**

A

9. At the ready queue when a process arrives In [priority scheduling](#) algorithm, the priority of this process is compared with the priority of?

- A. currently running process
- B. parent process
- C. all process
- D. init process

☐ **Answer - Click Here:**

A

10. The FIFO algorithm said :

- A. executes the job first that needs a minimal processor
- B. the job first executes that comes last in the queue
- C. the job first executes that has maximum processor needs
- D. the job first executes that came in first in the queue

☐ **Answer - Click Here:**

D

11. A program that is bound by CPU might have

- A. Cpu bursts many short
- B. Cpu bursts a few short
- C. Cpu bursts a few longer
- D. None of the above

☐ **Answer - Click Here:**

C

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12. scheduling algorithms that work on complex :

- A. uses few resources
- B. uses most resources
- C. are suitable for large computers
- D. all of the mentioned

☐ **Answer - Click Here:**

C

13. scheduling algorithm which allocates the CPU first to the process which requests the CPU first?

- A. FCFS scheduling
- B. priority scheduling
- C. shortest job scheduling
- D. none of the mentioned

☐ **Answer - Click Here:**

A

14. In an operating system, the portion of the [process scheduler](#) that forward processes is concerned with :

- A. running processes are assigning to blocked queue
- B. ready processes are assigning to CPU
- C. ready processes are assigning to the waiting queue
- D. all of the mentioned

☐ **Answer - Click Here:**

B

15. From the time of submission of a process to the time of completion, The interval is termed as

- A. waiting time
- B. turnaround time
- C. response time
- D. throughput

☐ **Answer - Click Here:**

B

15. From the time of submission of a process to the time of completion, The interval is termed as

- A. waiting time
- B. turnaround time
- C. response time
- D. throughput

☐ **Answer - Click Here:**

B

16. under the category of\_\_\_\_\_ Round-robin scheduling falls :

- A. Preemptive scheduling
- B. Nonpreemptive scheduling
- C. All of the mentioned
- D. None of the mentioned

☐ **Answer - Click Here:**

A

17. The processes that are inhabited in main memory and are ready and waiting to execute and remained on a list called

- A. process queue
- B. execution queue
- C. job queue
- D. ready queue

☐ Answer - Click Here:

D

18. control of the CPU to the process selected by the [short-term scheduler](#) is assigned by the module \_\_\_\_\_.

- A. interrupt
- B. scheduler
- C. dispatcher
- D. none of the mentioned

☐ Answer - Click Here:

C



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# Deadlock MCQs Questions Answers

By:Prof. Fazal Rehman Shamil Last Modified: April 22, 2020

## Deadlock MCQs Questions Answers

- Which requested resources are granted with deadlock detection?
  - Resources
  - Processes
  - Programs
  - Users
  - Data
  - Both C &D
 Answer: B
- Prevention strategies of deadlock are very...?
  - Simple
  - Complex
  - Conservative
  - Straight
  - Difficult
  - Both A&B
 Answer: C
- Which [thread](#) management work done by a pure Kernel Level Thread facility?
  - Kernel
  - Program
  - Application
  - Threads
  - Data
  - Information
 Answer: A
- Which labs initially developed by UNIX?
  - NASA
  - Microsoft
  - Kaspersky
  - Bell
  - Dell
  - Both A&B
 Answer: D
- The advantage of Multiprocessor system is ...
  - Operating system
  - Expensive hardware
  - Microsoft
  - Data collection
  - Increased Throughput
  - Both A and B
 Answer: E
- Win32 application [programming interfaces](#) are for
  - Windows
  - UNIX
  - Linux
  - Microsoft
  - Solaris
  - Both B&C
 Answer: A
- ..... that implies an unsafe state.
  - the existence of deadlock
  - that [deadlock](#) will eventually occur
  - the pages of deadlock
  - that some unfortunate sequence of events might lead to deadlock

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only E. none of these

Answer: D

8. Which one process cannot overwrite another's a memory, either inadvertently or maliciously.

- A. sections
- B. partitions
- C. modules
- D. regions
- E. frames
- F. both A&B

Answer: B

9. .... That can be loaded into adjacent "holes" in the main memory.

- A. segments
- B. frames
- C. partitions
- D. pages
- E. regions
- F. None of these

Answer. A

10. System's evaluate common schedule strategies.

- A. throughput
- B. means response time
- C. variance of response time
- D. all of the above
- E. both A&B
- F. no response time

Answer: D

11. How much time will spend when [LRU replaces the page](#)?

- A. shortest time in memory
- B. shortest time in memory without being referenced
- C. longest time in memory
- D. longest time in memory without being referenced
- E. both A&B
- F. both C&D

Answer: D

12. Why Spooling helps?

- A. while printing when computer release to do other things
- B. jobs go more smoothly with less stop
- C. printing it is a more secure method of accessing data
- D. none of the above
- E. both B&C
- F. both A&C

Answer: A

13. OS spends much of its time paging also instead of executing [applications software](#), it is called.....

- A. spooling
- B. formatting
- C. thrashing
- D. booting
- E. scanning
- F. both A&B

Answer: C

14. .... is an interrupt handler.

- A. memory location that keeps track
- B. peripheral devices
- C. operating device
- D. numeric code that indicated the priority request
- E. utility program
- F. None of these

Answer: E

15. Running process does not interrupt by .....

- A. device
- B. timer interrupts
- C. power failure
- D. [scheduling process](#)

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- E. both A&B
- F. none of above

Answer: A

16. .... is an Overlay.

- A. a part of an OS
- B. a specific memory location
- C. overloading the system with many users fills
- D. a contiguous memory that was used in the olden days for running
- E. both A&B
- F. None of these

Answer: C



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only F. None of these

Answer C

7. ---- is contained by the page table.

- A. page size
- B. base address of every page
- C. page offset
- D. Page
- E. both a and b
- F. None of these

Answer B

8. for ---- the [page table](#) is maintained by the Operating System.

- A. each instruction
- B. each process
- C. each thread
- D. each address
- E. both a and b
- F. None of these

Answer B

9. The operating system is in?

- A. high memory
- B. System bus
- C. either a or d (depending on the location of interrupt vector)
- D. low memory
- E. both a and b
- F. None of these

Answer C

10. relocation register are used to :

- A. a different [address space](#) to processes
- B. providing less address space to processes
- C. to protect the address spaces of processes
- D. providing more address space to processes
- E. both a and b
- F. None of these

Answer C

### SET 3: Memory Management Mcqs

11. With limit registers and relocation, each logical address must be \_\_\_\_\_ the limit register.

- A. Not equal to
- B. equal to
- C. greater than
- D. less than
- E. both b and c
- F. None of these

Answer D

12. The code that ---- is Transient operating system code.

- A. stays in the memory always
- B. comes and goes as needed
- C. never enters the memory space
- D. is not easily accessible
- E. both a and b
- F. None of these

Answer D

13. the size of the [operating system during program execution](#) is ---- while using transient code.

- A. changed
- B. increased
- C. maintained
- D. decreased
- E. both a, b and c
- F. None of these

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14. Each partition may contain \_\_\_\_\_ when memory is divided into several fixed sized partitions.

- A. multiple processes at once
- B. exactly one process
- C. Two process
- D. at least one process
- E. both a and b
- F. None of these

Answer B

15. the degree of multiprogramming is bounded to which extent In fixed-sized partition?

- A. All of these
- B. the memory size
- C. the CPU utilization
- D. the number of partitions
- E. both a and b
- F. None of these

Answer D

### SET 3: Memory Management Mcqs

16. The strategies like the first [fit](#), [best fit](#) and [worst fit](#) are used to select a \_\_\_\_\_.

- A. process from a queue to put in storage
- B. process from a queue to put in memory
- C. [processor](#) to run the next process
- D. free hole from a set of available holes
- E. both c and b
- F. None of these

Answer D

17. The number of ---- can be granted by the Owner of [address space](#).

- A. Computers
- B. Modules
- C. Pages
- D. Devices
- E. both c and b
- F. None of these

Answer C

18. To load and store the system data from [memory](#) ---- is used.

- A. register
- B. RAM
- C. ROM
- D. Buses
- E. both c and b
- F. None of these

Answer A

19. The stack pointer is a register that points to the:

- A. [Push of the stack](#)
- B. Bottom of the stack
- C. Top of the stack
- D. [Pop of the stack](#)
- E. both a and b
- F. None of these

Answer C

20. To read the----- I/O instruction transfer is used.

- A. Information
- B. Instructions
- C. Description
- D. Data
- E. both c and b
- F. None of these

Answer D



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# File system Interface MCQS Questions Answers in Operating Systems

By:Prof. Fazal Rehman Shamil Last Modified: April 22, 2020

## File system Interface MCQs Questions Answers in Operating Systems

File System Interface Protection MCQs are the collection of important MCQs. These MCQs target the subject of the [operating system](#). Please note that the operating system is a compulsory subject.

### SET 1: File system Interface MCQs

1. Reliability of files can be enhanced by :
- a)by keeping duplicate copies of the file
  - b) making a different partition for the files
  - c) by keeping them in external storage
  - d) keeping the files safely in the memory

Answer A

2. security is only provided at the \_\_\_\_\_ level.
- a) none of the mentioned
  - b) high
  - c) central
  - d) lower

Answer D

3. The major issue with access control lists is :
- a) their maintenance
  - b) all of the mentioned
  - c) their permissions
  - d) their length

Answer D

4. Many systems recognize three classifications of users in connection with each file (to condense the access control list) :
- a) ) Universe
  - b) Group
  - c) owner
  - d) All of the mentioned

Answer D

### SET 2: File system Interface MCQs

- 5.in a group, All users get \_\_\_\_\_ access to a file.
- a) different
  - b)same
  - c) similar
  - d) none of the mentioned

Answer C

6. The universe consists of :
- a) all users in the system
  - b) all users that are not owners
  - c)all users that aren't included in the group or owners
  - d) none of the mentioned

Answer A

7. groups can be modified and created In UNIX by :
- a) any user
  - b)superuser

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- only  
c) the people in the group only  
d) a programmer only  
Answer B

8. three bits used To control access the in UNIX are represented by :  
a) r  
b) all of the mentioned  
c) x  
d) w  
Answer B

### SET 3: File system Interface MCQs

9. by a password If each access to a file is controlled, then the disadvantage is that :  
a) it is not reliable  
b) all of the mentioned  
c) it is not efficient  
d) ) user will need to remember a lot of passwords  
Answer D

10. In a different level directory structure :  
a) the subdirectories do not need protection once the directory is protected  
b) the same previous techniques will be used as in the other structure  
c) a mechanism for directory protection will have to apply  
d) none of the mentioned  
Answer C

11. the directory protection is handled in Unix \_\_\_\_\_ to the file protection.  
a) none of the mentioned  
b) it is not handled at all  
c) similar  
d) different  
Answer C

12. , each containing a file system or \_\_\_\_\_, Disks are segmented into one or more partitions.  
a) left 'ripe'  
b) made into swap space  
c) made into backup space  
d) left 'raw'  
Answer D

13. such as access by fraudulent people , Destruction of files for malicious reasons is classified as being  
a) unauthorized access  
b) accessed  
c) destroyed  
d) modified  
Answer D

14. if the order of operation on two or more files are similar in files, then the operation will be  
a) sequential  
b) combinational  
c) complex  
d) simple  
Answer D

15. in which records are accessed from and inserted into file Access is classified as;  
a) random access  
b) duplicate access  
c) direct access  
d) sequential access  
Answer D

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# Virtual Memory MCQS Questions Answers in Operating Systems

By:Prof. Fazal Rehman Shamil Last Modified: April 22, 2020

## Virtual Memory MCQs Questions Answers in Operating Systems

Virtual [Memory](#) MCQs Questions Answers in Operating Systems is the set of important MCQs of virtual memory.

### SET 1: Virtual Memory MCQs

1. What a virtual-memory miss is called?

- a)Hit miss
- b)Page hit
- c)Page miss
- d)Page fault

Answer

- d)Page fault

2.a process is copied into the main [memory](#) from the secondary memory

- a) Swapping
- b) Paging
- c) Segmentation
- d) [Demand paging](#)

Answer

- d) demand paging

3. process is trash

- a) it spends more time paging than executing
- b) it spends less time paging than executing
- c) [page fault](#) occurs
- d)swapping can not take place

Answer

- a) it spends more time paging than executing
  - c) individual page of a process
4. in which Swap space exists

- a) cpu
- b) [primary memory](#)
- c) secondary memory
- d) none of the mentioned

Answer

- c) secondary memory

### SET 2: Virtual Memory MCQs

5. When a program tries to access a page that is mapped in [address space](#) but not loaded in physical memory, then what occurs

- a) page fault occurs
- b) fatal error occurs
- c) segmentation fault occurs
- d) no error occurs

Answer

- a) page fault occurs
6. Effective access time is directly proportional to
- a) memory access time
  - b)page-fault rate
  - c) hit ratio
  - d) none of the mentioned

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only  
Answer  
b) page fault rate

7. In [FIFO page replacement algorithm](#), when a page must be replaced what is chosen

- a) oldest page is chosen
- b) newest page is chosen
- c) median page is chosen
- d) none of the mentioned

Answer

- a) oldest page is chosen

8. whenever the [page required to be replaced](#) which algorithm chooses the page that has not been used for the longest period of time?

- a) additional reference bit algorithm
- b) [least recently used algorithm](#)
- c) counting based [page replacement](#) algorithm
- d) first in first out algorithm

Answer

- b) least recently used algorithm

### SET 3: Virtual Memory MCQs

9. The pager concerns with the

- a) entire thread
- b) first page of a process
- c) individual page of a process
- d) entire process

Answer A

10. Working set model for [page replacement](#) is based on the assumption of

- a) globalization
- b) random access
- c) modularity
- d) locality

Answer

- d) locality

11. what memory is called separation of user logical memory and physical memory

- a) Memory sharing
- b) Virtual memory
- c) Memory management
- d) Memory control

Answer

- b) Virtual memory

12. Is [logical Address space](#) can be larger than physical address space?

- a) True
- b) False

Answer

- a) True

13. Virtual Memory can be implemented via?

- a) Simple division
- b) Logical paging
- c) Demand Paging
- d) Complex division

Answer

- c) Demand Paging

14. COW stands for?

- a) Convert overwrite
- b) Copy overwrite
- c) Cut overwrite
- d) Copy overwrite

View Answer

- d) Copy overwrite

15. LRU stands for?

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- a) Less Recently used
- b) Least Recurrently used
- c) Least Randomly used
- d)Least Recently used

Answer

- b) Least Recurrently used

16. What allocation uses a proportional allocation scheme using priorities rather than size.

- a) Simple allocation
- b) File allocation
- c) Priority allocation
- d)Preference allocation

Answer

- c) Priority allocation

17. Which a process selects a replacement frame from the set of all frames.

- a) Global replacement
- b) Local replacement
- c) Module replacement
- d)Block replacement

Answer

- a) Global replacement

## SET 4: Virtual Memory MCQs

18. Any program, no matter how small, occupies an entire partition. known as

- a) fragmentation
- b) [external fragmentation](#)
- c) internal fragmentation
- d)prior fragmentation

Answer

- c) internal fragmentation

19. Which process is busy swapping pages in and out.

- a) Division
- b)External Fragmentation
- c) Thrashing
- d) Compaction

Answer

- c) Thrashing

20. select the most nearest answer for one or more physically contiguous pages.

- a) Allocator
- b) Object
- c) Slab
- d) Cache

Answer

- c) Slab

21.technique is implemented by magnetic disk for secondary memory is called

- a)Main memory
- b)Cache
- c)Buffer
- d)Virtual memory

Answer

- d)Virtual memory

22. The memory can be shared among ,because of virtual memory

- a) threads
- b) processes
- c) instructions
- d) none of the mentioned

Answer

- b) processes



**Prof. Fazal Rehman Shamil**

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## Operating System Structures MCQs

**By:**Prof. Fazal Rehman Shamil **Last Modified:** April 22, 2020

### Operating System Structures MCQs

1.operating [system called](#) a thousand systems are executed per

- A. hour
- B. day
- C. min
- D. sec
- E. None of these

☐ **Answer - Click Here:**

D

2. A web-based computing system, the computer used are normally \_\_\_\_\_?

- A. servers
- B. personal computers
- C. tablets
- D. [network computers](#)
- E. None of these

☐ **Answer - Click Here:**

D

3. Choose one of the best options from the following. Dump of memory of the computer system is examined by the \_\_\_\_?

- A.programmer
- B. debugger
- C.designer
- D.engineer
- E. None of these

☐ **Answer - Click Here:**

B

4.Indicate one of the best options from the following. CloseHandle() call function in [windows operating system](#) is a UNIX’s function called for

- A. fork()
- B. close()
- C. read()
- D. open()
- E. None of these

☐ **Answer - Click Here:**

B

5.Which is not provided by the operating system is\_\_\_\_\_

- A. networking

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- B. user interface
- C. error detection
- D. program execution
- E. None of these

☐ **Answer - Click Here:**

A

6. Choose one of the best options from the following. Chain of the program of a computer system is as strong as its \_\_\_\_

- A. strongest link
- B. weakest link
- C. all links
- D. mid link
- E. None of these

☐ **Answer - Click Here:**

B

7. Which is Friendly user interface provided by operating system \_\_\_\_

- A. graphical user interface
- B. command-line interface
- C. batch interface
- D. device interface
- E. None of these

☐ **Answer - Click Here:**

A

8. Indicate one of the best options from the following. Bourne-again-shell of the operating system is used by

- A. windows
- B. Windows and Mac
- C. Linux
- D. UNIX and Linux
- E. None of these

☐ **Answer - Click Here:**

D

9. Which Number of byte to be read into a buffer of the system is\_\_\_\_\_

- A. WORD bytes to write
- B. WORD bytes to read
- C. DWORD bytes to write
- D. DWORD bytes to read
- E. None of these

☐ **Answer - Click Here:**

D

10. Which Bourne shell in command interpreter of the operating system is used by\_\_\_\_\_

- A. windows
- B. Windows and Macintosh
- C. Macintosh and LINUX

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E. None of these

☐ **Answer - Click Here:**

D

11. Programs of the operating system end \_\_\_\_

- A. Interval
- B. Interruptedly
- C. Normally
- D. Erroneously
- E. None of these

☐ **Answer - Click Here:**

C

12. Choose the best option from the following. The main functionality of command interpreter of the operating system is to

- A. remove commands
- B. execute commands
- C. fetch commands
- D. Decode commands
- E. None of these

☐ **Answer - Click Here:**

B

13. Power failure of a computer system is one of kinds of \_\_\_\_

- A. error
- B. outputs
- C. inputs
- D. Interrupts
- E. None of these

☐ **Answer - Click Here:**

A

14. MAC is a \_\_\_\_?

- A. What is the command-line interface
- B. batch interface
- C. graphical user interface
- D. device interface
- E. None of these

☐ **Answer - Click Here:**

C

15. Choose one of the best options. A buffer of the system from where data will be read is called

- A. LVOID buffer
- B. LPVOID buffer
- C. PVOID buffer
- D. VOID buffer
- E. None of these

☐ **Answer - Click Here:**

B

16. The buffer of the system from where data will be read is known as \_\_\_\_\_

- A. LPVOID buffer
- B. PVOID buffer
- C. LVOID buffer
- D. VOID buffer
- E. None of these

☐ **Answer - Click Here:**

C

17. X-windows operating system is a user's interface that is a common version of\_\_\_\_\_?

- A. windows
- B. MAC OS
- C. Linux
- D. UNIX
- E. None of these

☐ **Answer - Click Here:**

D

18.Indicate best answer. Operating system is mainly comprised of

- A. third party programs
- B. user programs
- C. system programs
- D. both B and C
- E. None of these

☐ **Answer - Click Here:**

D

19.For authentication purpose, operating system requires\_\_\_\_\_

- A. personal computers
- B. servers
- C. login authentication
- D. network computers
- E. None of these

☐ **Answer - Click Here:**

C

20.Choose bset option. In icon based system menus are displayed on\_\_\_\_\_

- A. programs
- B. memory
- C. screen/desktop
- D. Interfaces
- E. None of these

☐ **Answer - Click Here:**

C

21.Windows explorer program are\_\_\_\_\_

- A. command line interface
- B. batch interface
- C. graphical user interface
- D. device interface
- E. None of these

☐ **Answer - Click Here:**

C

22.Operating system programs that are manipulated are asked by the\_\_\_\_\_?

- A. programmer
- B. open source
- C. user
- D. operating system
- E. None of these

☐ **Answer - Click Here:**

C

23.1st version of internet explorer was introduced in\_\_\_\_\_

- A. 20-Jul-90
- B. 16-Aug-95
- C. 16-Feb-98
- D. 16-Jan-00
- E. None of these

☐ **Answer - Click Here:**

B

24. [System calls](#) of operating system is done by\_\_\_\_?

- A. caller
- B. programmer
- C. developer
- D. engineer
- E. None of these

☐ **Answer - Click Here:**

A

25. Which is the best option? Choice of shells in command interpreters of the operating system is chosen by

- A. windows
- B. users
- C. processes
- D. operating system
- E. None of these

☐ **Answer - Click Here:**

D

26. Indicate the best option. Choice of shells in command interpreters of the operating

- A. operating system
- B. users
- C. windows
- D. processes
- E. None of these

☐ **Answer - Click Here:**

C

27. Indicate the best option. X windows operating system is a user interface that is\_\_\_\_\_

- A. command-line interface
- B. device interface
- C. batch interface
- D. graphical user interface
- E. None of these

☐ **Answer - Click Here:**

D

28. For allocating resources [Central Processing Unit](#) has individual \_\_\_\_\_

- A. routines
- B. devices
- C. programs
- D. Processes
- E. None of these

☐ **Answer - Click Here:**

A

29. What is an abbreviation of MAC operating system \_\_\_\_

- A. main operating system
- B. memory operating system
- C. Macintosh [operating system](#)
- D. [mainframe operating system](#)
- E. None of these

☐ **Answer - Click Here:**

C

30. Indicate the best option. The common desktop environment program of an operating system is a \_\_\_\_\_?

- A. command-line interface
- B. device interface
- C. batch interface
- D. graphical user interface
- E. None of these

☐ **Answer - Click Here:**

D

31. Local desktop environment program of the operating system is a\_\_\_\_?



- A. batch interface
- B. graphical user interface
- C. command line interface
- D. device interface
- E. None of these

☐ **Answer - Click Here:**

A

32. Indicate best option. In graphical user interface users uses \_\_\_\_\_

- A. file based interface
- B. mouse based Pointing
- C. command line interface
- D. voice based interface
- E. None of these

☐ **Answer - Click Here:**

B

33. Date of computer system and getting time is \_\_\_\_

- A. [process control](#)
- B. information maintenance
- C. device management
- D. file management
- E. None of these

☐ **Answer - Click Here:**

B

34. Choose best option from the following. Readfile() function of operating system is for reading \_\_\_\_\_

- A. command
- B. processes
- C. files
- D. programs
- E. None of these

☐ **Answer - Click Here:**

C

35. When error appears, program of operating system automatically gets \_\_\_\_\_?

- A. Executed
- B. stored
- C. aborted
- D. Declined
- E. None of these

☐ **Answer - Click Here:**

C

36. Which number of the byte read during the last read of program/memory is \_\_\_\_\_

- A. DWORD bytes to read
- B. LPDWORD bytes to read
- C. LPDWORD bytes to write

☐ **Answer - Click Here:**

B

37. Communication between devices of the system is provided by \_\_\_\_

- A. graphical user interfacing
- B. message passing
- C. shared memory
- D. both b and c
- E. None of these

☐ **Answer - Click Here:**

D

38. Indicate the best option from the following. [System calls](#) of an operating system provide an interface to

- A. programs
- B. processes
- C. Utilities
- D. services
- E. None of these

☐ **Answer - Click Here:**

D

39. KornShell of operating system program is used by the\_\_\_\_\_?

- A. Linux
- B. UNIX
- C. windows
- D. both a and b
- E. None of these

☐ **Answer - Click Here:**

D

40. Choose one of the best options. one that is not a system call category of the program is \_\_\_\_\_

- A. process control
- B. protection
- C. file generation
- D. communication
- E. None of these

☐ **Answer - Click Here:**

C

41. GNOME is a project that was created by \_\_\_\_\_?

- A. GNU
- B. windows
- C. UNIX
- D. Linux
- E. None of these

☐ **Answer - Click Here:**

A

42. In the local interpreter environment of the operating system, commands are executed by \_\_\_\_\_?

- A. windows
- B. Linux
- C. itself
- D. UNIX
- E. None of these

☐ **Answer - Click Here:**

C

43. Delete file of programs and create are \_\_\_\_\_

- A. process control
- B. device management
- C. file management
- D. information maintenance
- E. None of these

☐ **Answer - Click Here:**

C

44. Allocation of output and input devices are provided by

- A. Mediators
- B. operating system
- C. Moderators
- D. Processors
- E. None of these

☐ **Answer - Click Here:**

B

45. In Linux rm file.text commend is used for \_\_\_\_\_?

- A. remove graphics
- B. remove the text file
- C. remove image
- D. remove video
- E. None of these

☐ **Answer - Click Here:**

B

46. Between [application programming interface](#) and system calls, there present a/an \_\_\_\_\_

- A. relationship
- B. interface
- C. correlation
- D. Dependency
- E. None of these

☐ **Answer - Click Here:**

C

47. A Logical extension of multiprogramming operating system is

- A. single programing
- B. multi-tasking
- C. Time-sharing
- D. both b and c
- E. None of these

☐ **Answer - Click Here:**

D

48. Multiprogramming of computer system increases \_\_\_\_?

- A. memory
- B. CPU utilization
- C. storage
- D. cost of computation
- E. None of these

☐ **Answer - Click Here:**

B

49. The environment in which programs of the system are executed is called \_\_\_\_?

- A. nodes
- B. operating system
- C. clustered system
- D. both a and b
- E. None of these

☐ **Answer - Click Here:**

B

50. Every user of computer system that uses computer services has at least \_\_\_\_

- A. 2programs
- B. 1program
- C. 3programs
- D. 4programs
- E. None of these

☐ **Answer - Click Here:**

B

51. System resources of computer can be utilized better in \_\_\_\_?

- A. single program environment
- B. multi program environment
- C. core environment
- D. dual program environment
- E. None of these

☐ **Answer - Click Here:**

B



- A. Solaris
- B. UNIX
- C. Linux
- D. windows
- E. None of these

☐ **Answer - Click Here:**

D

53. Run time support system is a system that is provided by \_\_\_\_\_?

- A. System call routines are mostly written in
- B. system programs
- C. [processes system](#)
- D. calls interface
- E. None of these

☐ **Answer - Click Here:**

D

54. Getting device attributes of the computer is a \_\_\_\_?

- A. process control
- B. information maintenance
- C. device management
- D. file management
- E. None of these

☐ **Answer - Click Here:**

B

55. Environment for execution of programs is provided by \_\_\_\_\_?

- A. inputs
- B. operating system
- C. outputs
- D. memory
- E. None of these

☐ **Answer - Click Here:**

B

56. Indicate best option interfaces of operating system provides \_\_\_\_\_

- A. portability
- B. designing
- C. Reusability
- D. Optimization
- E. None of these

☐ **Answer - Click Here:**

A

57. Aqua user interface was appeared with \_\_\_\_\_?

- A. windows
- B. shells

☐ **Answer - Click Here:**

D

58. Choose one of the best options. directories in Linux are known as

- A. commands
- B. graphics
- C. folders
- D. text
- E. None of these

☐ **Answer - Click Here:**

C

59. In command `rm file.text` of operating system program, `file.txt` is a \_\_\_\_\_?

- A. file type
- B. file name
- C. format
- D. both a and b
- E. None of these

☐ **Answer - Click Here:**

D

60. [System call](#) routines of the operating systems are mostly written in \_\_\_\_\_?

- A. java
- B. C++
- C. C
- D. both b and c
- E. None of these

☐ **Answer - Click Here:**

D

61. Operating System is responsible for transferring data to\_\_\_\_\_?

- A. memory
- B. monitor
- C. ALU
- D. I/O devices
- E. None of these

☐ **Answer - Click Here:**

D

62. Parameters of programs on stack are\_\_\_\_\_?

- A. copied
- B. pushed
- C. popped
- D. both b and c
- E. None of these

D

63. One that is not a type of user interface of the operating system is \_\_\_\_\_?

- A. command-line interface
- B. device interface
- C. batch interface
- D. graphical user interface
- E. None of these

☐ [Answer - Click Here:](#)

B

64. Communication, operating system moves \_\_\_\_\_

- A. processes
- B. programs
- C. packets
- D. Modules
- E. None of these

☐ [Answer - Click Here:](#)

C

65. To point a folder or file a Graphical User Interface uses \_\_\_\_?

- A. voice based interface
- B. common line interface
- C. file based interface
- D. pointer
- E. None of these

☐ [Answer - Click Here:](#)

D

# Operating System Multiple Choice Questions Answers

By:Prof. Fazal Rehman Shamil Last Modified: August 13, 2020

## Operating System Multiple Choice Questions Answers

Let’s see some important most asked [Operating System Multiple Choice Questions Answers](#).

1. Algorithm of splitting m frames into n processes for giving equal share the m/n frames is known as :

- A. split allocation algorithm
- B. equal allocation algorithm
- C. proportional allocation algorithm
- D. none of these
- E. All of the above

☐ Answer - Click Here:

B

2. The layer between the hardware and the user program is

- A. Operating environment
- B. System environment
- C. Operating system
- D. None
- E. All of the above

☐ Answer - Click Here:

C

3. Which of the following is the main function of the command interpreter?

- A. to [handle the files](#) in the operating system
- B. to provide the interface between the API and application program
- C. to get and execute the next user-specified command
- D. none of the above
- E. All of the above

☐ Answer - Click Here:

C

4. Allocation of memory to each process according to its size is known as :

- A. proportional allocation algorithm
- B. split allocation algorithm
- C. equal allocation algorithm
- D. none of the above
- E. All of the above

☐ Answer - Click Here:

A

5. \_\_\_\_\_ is built directly on the hardware.

- A. Computer Environment
- B. [Application Software](#)
- C. [Database System](#)
- D. Operating System

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☐ Answer - Click Here:

D

**6. The resource management can be done in an operating system via**

- A. space division multiplexing
- B. both time and space division multiplexing
- C. time division multiplexing
- D. none
- E. All of the above

☐ Answer - Click Here:

B

**7. A high priority process is treated \_\_\_\_\_ a low priority process, With either equal or proportional algorithm.**

- A. lesser than
- B. greater than
- C. same as
- D. none
- E. All of the above

☐ Answer - Click Here:

C

**8. \_\_\_\_\_ Operating System does not implement multitasking.**

- A. Windows XP
- B. Windows NT
- C. Windows 98
- D. MS DOS
- E. None

☐ Answer - Click Here:

D

**9. When a process fails, most OS write the error information to a \_\_\_\_\_**

- a) new file
- b) another running process
- c) log file
- d) none
- E. All of the above

☐ Answer - Click Here:

A

**10. Which replacement allows a process to select a replacement frame from the set of all frames, even if the frame is currently allocated to some other process?**

- a) Local
- b) Global
- c) Universal
- d) Localx

☐ Answer - Click Here:

B

11. A platform for other software to run on is called \_\_\_\_\_

- A. Operating System
- B. System Software
- C. Application Software
- D. All
- E. None

☐ Answer - Click Here:

A

12. \_\_\_\_\_ facility, both in user processes and in the kernel, dynamically adds probes to a running system.

- A. DLocate
- B. DAdd
- C. DMap
- D. DTrace
- E. None

☐ Answer - Click Here:

D

Set 2

operating system is\_\_\_\_\_?

- A. link that is to interface the hardware and application programs
- B. Both A & B
- C. collection of programs that manages hardware resources
- D. all of the mentioned
- E. system service provider to the application programs

☐ Answer - Click Here:

D

The interface to access the services of the operating system is provided by\_\_\_\_\_

- A. Assembly instructions
- B. API
- C. Library
- D. [System calls](#)
- E. Both A & C
- F. None of these

☐ Answer - Click Here:

D

Which one is not true from the following?

- A. kernel is made of various modules which can not be loaded in running operating system
- B. During booting, the kernel [is the first part of the operating system to load into memory](#)
- C. kernel is the program that constitutes the central core of the operating system
- D. During the entire computer session kernel remains in the memory
- E. Both A & B
- F. None of these

☐ Answer - Click Here:

A

- A. connection failure in the network
- B. power failure
- C. all of the mentioned
- D. lack of paper in the printer
- E. Both A & B
- F. None of these

☐ **Answer - Click Here:**

C

The command interpreter in The main function is \_\_\_\_\_

- A. to [handle the files](#) in the operating system
- B. to get and execute the next user-specified command
- C. to provide the interface between the API and application program
- D. none of the mentioned
- E. both A & B

☐ **Answer - Click Here:**

C

The [resource management](#) can be done by operating system via \_\_\_\_\_

- A. both time and space division multiplexing
- B. space division multiplexing
- C. time-division multiplexing
- D. none of the mentioned
- E. Both A & B

☐ **Answer - Click Here:**

A

In the most operating system if a process fails it write the error information to a?

- A. new file
- B. another running process
- C. log file
- B. none of the mentioned
- E. Both C & A

☐ **Answer - Click Here:**

C

In both user processes and in the kernel which facility dynamically adds probes to a running system?

- A. DMap
- B. DLocate
- C. Both A & B
- D. DTrace
- E. DAdd
- F. None of these

☐ **Answer - Click Here:**

D

Which one is not a [real-time operating system](#) from the following?

- A. Palm OS
- B. Windows CE
- C. VxWorks
- D. RTLinux

☐ **Answer - Click Here:**

A

10. \_\_\_\_\_ OS X has?

- A. monolithic kernel with modules
- B. microkernel
- C. hybrid kernel
- D. monolithic kernel
- E. Both B & D
- F. None of these

☐ **Answer - Click Here:**

C

The [systems that allow only one process](#) execution at a time is \_\_\_\_\_

- A. unitasking systems
- B. uniprogramming systems
- C. uniprocessing systems
- D. Both A & C
- E. none of the mentioned

☐ **Answer - Click Here:**

C

Each process has its own \_\_\_\_\_ In the operating system

- A. open files
- B. pending alarms, signals and signal handlers
- C. Both A & B
- D. [address space](#) and global variables
- E. all of the mentioned
- F. None of these

☐ **Answer - Click Here:**

E

The [new process](#) In Unix created by which system call?

- A. create
- B. new
- C. fork
- D. none of the mentioned
- E. Both B & C

☐ **Answer - Click Here:**

C

[Termination of a process](#) can be due to?

- A. fatal error
- B. killed by another process
- C. normal exit
- D. Both B & C
- E. all of the mentioned above
- F. None of these

☐ **Answer - Click Here:**



The ready [state of a process](#) is \_\_\_\_\_?

- A. when a process is using the CPU
- B. when a [process is scheduled](#) to run after some execution
- C., when a process is unable to run until some task, has been completed
- D. Both A & C
- E. none of the mentioned

Interprocess communication is\_\_\_\_\_?

- A. communication between two process
- B. communication between two threads of the same process
- C. communication within the process
- D. none of the mentioned
- E. Both A & C

☐ **Answer - Click Here:**

A

Processes is deadlock if \_\_\_\_\_

- A. all processes are trying to kill each other
- B. each process is terminated
- C. each process is blocked and will remain so forever
- D. Both A & B
- E. none of the mentioned

☐ **Answer - Click Here:**

C

Which of the following a process stack does not contain

- A. Local variables
- B. Function parameters
- C.Both A & B
- D. Return addresses
- E. PID of a child process
- F. None of these

☐ **Answer - Click Here:**

E

Of a terminated child which [system call](#) returns the process identifier?

- A. exit
- B. Both B & D
- C. fork
- D. wait
- E. get
- F. None of these

☐ **Answer - Click Here:**

D

\_\_\_\_\_ will provide the address of the next instruction that is to be executed by the current process

- A. Program counter
- B. CPU registers
- C. Both A & B
- D. Process stack
- E. Pipe
- F. None of these

A

\_\_\_\_\_ of the following a Process Control Block(PCB) does not contain:

- A. Stack
- B. Code
- C. Both B & D
- D. Bootstrap program
- E. Data
- F. None of these

☐ **Answer - Click Here:**

D

15. The number of processes completed per unit time is called \_\_\_\_\_

- A. Capacity
- B. Output
- c. Both A & B
- D. Throughput
- e. Efficiency
- F. None of these

☐ **Answer - Click Here:**

D

Answer: d

The [state of a process](#) is \_\_\_\_\_:

- A. the current activity of the process
- B. the final activity of the process
- C. the activity just executed by the process
- D. Both A & D
- E. the activity to next be executed by the process
- F. None of these

☐ **Answer - Click Here:**

D

Which is not the state of a process of the following?

- A. New
- B.Waiting
- C. Both A & B
- D. Old
- E. Running
- F. None of these

☐ **Answer - Click Here:**

D

\_\_\_\_\_ is the Process Control Block :

- A. [Data Structure](#)
- B. Process type variable
- C. Both A & B
- D. A secondary storage section
- E. A Block in memory
- F. None of these

☐ **Answer - Click Here:**

A

In the current processes the entry of all the PCBs are in\_\_\_\_\_

- A. Program Counter
- B. Process Register
- C. Both A & D
- D. Process Unit
- E. Process Table
- F. None of these

☐ **Answer - Click Here:**

E

\_\_\_\_\_is the degree of multiprogramming?

- A. the number of processes in memory
- B. the number of processes in the I/O queue
- C. the number of [processes executed](#) per unit time
- D. Both A & D
- E. the number of processes in the ready queue
- F. None of these

☐ **Answer - Click Here:**

B

Allows \_\_\_\_\_ process to perform a single thread of control

- A. multiple tasks at a time
- B. only two tasks at a time
- C. Both A & B
- D. only one task at a time
- E. all of the mentioned
- F. None of these

☐ **Answer - Click Here:**

D

\_\_\_\_\_ is the objective of multiprogramming?

- A. Have multiple programs waiting in a queue ready to run
- B. Have some process running at all times
- C. Both A & D
- D. To minimize CPU utilization
- E. None of the mentioned

☐ **Answer - Click Here:**

B

\_\_\_\_\_ do not belong to queues for processes of the following?

- A. Job Queue
- B. Device Queue
- C. Both D & E
- D. PCB queue
- E. Ready Queue
- F. None of these

☐ **Answer - Click Here:**

D

\_\_\_\_\_ I/O request when the process issues?

- A. It is placed in the Job queue
- B. It is placed in a waiting queue
- C. Both A & D
- D. It is placed in an I/O queue
- E. It is placed in the ready queue
- F. None of these

☐ **Answer - Click Here:**

D

A process terminates when\_\_\_\_\_:

- A. It is removed from all, but the job queue
- B. Its process control block is never de-allocated
- C. Both B & E
- D. Its process control block is de-allocated
- E. It is removed from all queues
- F. None of these

☐ **Answer - Click Here:**

E

[Long-term scheduler](#) is\_\_\_\_\_ ?

- A. It selects which process has to be executed next and allocates CPU
- B. It selects which process has to be brought into the ready queue
- C. Both A & B
- D. It selects which process to remove from memory by swapping
- E. None of the mentioned

☐ **Answer - Click Here:**

B

Medium-term scheduler is \_\_\_\_\_ ?

- A. It selects which process has to be executed next and allocates CPU
- B. It selects which process has to be brought into the ready queue
- C. Both B & D
- D. It selects which process to remove from memory by swapping
- E. None of the mentioned

☐ **Answer - Click Here:**

D

short-term scheduler is\_\_\_\_\_ ?

- A. It selects which process to remove from memory by swapping
- B. It selects which process has to be brought into the ready queue
- C. Both A & D
- D. It selects which process has to be executed next and allocates CPU
- E. None of the mentioned

☐ **Answer - Click Here:**

D

In the short term and the long term scheduler the primary distinction between is\_\_\_\_\_ :

- A. The frequency of their execution
- B. The length of their queues
- C. The type of processes [they schedule](#)
- D. Both A & B



☐ **Answer - Click Here:**

A

\_\_\_\_\_ is initiated by the user process itself in the only state transition:

- A. wakeup
- B. dispatch
- C. block
- D. Both A & C
- E. none of the mentioned

☐ **Answer - Click Here:**

C

In multiprogramming environment \_\_\_\_\_ :

- A. a single user can execute many programs at the same time
- B. the processor executes more than one process at a time
- C. Both B & D
- D. the programs are developed by more than one person
- E. more than one process resides in the memory

☐ **Answer - Click Here:**

E

In the PCB the context of a process does not contain :

- A. memory-management information
- B. the value of the CPU registers
- C. the process state
- D. Both B & D
- E. context switch time

☐ **Answer - Click Here:**

E

\_\_\_\_\_ does not interrupt a running process from the following?

- A. Timer
- B. A device
- C. Both A & E
- D. [Scheduler process](#)
- E. Power failure

☐ **Answer - Click Here:**

D

in the system \_\_\_\_\_ process can be affected by other processes executing?

- A. child process
- B. cooperating process
- C. Both A & B
- D. parent process
- E. init process

☐ **Answer - Click Here:**

B

Which one is a synchronization tool of the following?

- A. pipe
- B. thread
- C. socket
- D. Both B & D
- E. semaphore

☐ **Answer - Click Here:**

E



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## Important MCQs of DLD

**By:** Prof. Fazal Rehman Shamil **Last Modified:** April 19, 2020

### Important MCQs of DLD

#### 1. Why we use demultiplexer?

- A. Route the data from a single input to one of many outputs
- B. Select data from several inputs and route it to a single output
- C. Perform [serial to parallel](#) conversion
- D. Both a and b

☐ Answer - Click Here:

D

#### 2. Which is an [example of synchronous](#) inputs?

- A. Preset input (PRE)
- B. EN input
- C. J-K input
- D. Clear Input (CLR)

☐ Answer - Click Here:

C

#### 3. Which one is the Second step of making [transition table](#)?

- A. determining feedback loop
- B. designating output of loops
- C. deriving functions of Y
- D. plotting

☐ Answer - Click Here:

B

#### 4. We can be imagined that an or gate is look like \_\_\_\_\_

- A. Switches connected in parallel
- B. Switches connected in series
- C. MOS transistors connected in series
- D. None of these

☐ Answer - Click Here:

A

#### 5. The change from a current state to the next state is determined by

- A. Previous state and outputs
- B. Current state and outputs
- C. Current state and the inputs
- D. Previous state and inputs

☐ Answer - Click Here:

C

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6. Each gate take time for delay \_\_\_\_\_

- A. 2 to 10 ns
- B. 3 to 10 ns
- C. 1 to 5 ns
- D. 3 to 5 ns

☐ Answer - Click Here:

**A**

7. In Which combination of gates the arbitrary Boolean function is not possible?

- A. OR gates and exclusive OR gate only
- B. [NAND gates](#) only
- C. OR gates and NOT gates only
- D. OR gates and AND gates only

☐ Answer - Click Here:

**D**

8. Which one of the following is used to simplify the circuit that determines the next state?

- A. [State diagram](#)
- B. State assignment
- C. State reduction
- D. Next state table

☐ Answer - Click Here:

**A**

9. When both inputs are \_\_\_\_\_ then NAND latch works.

- A. inverted
- B. 0
- C. 1
- D. don't cares

☐ Answer - Click Here:

**C**

10. \_\_\_\_\_ adders are needed to construct an m-bit parallel adder.

- A.  $m+1$
- B.  $m-1$
- C.  $m$
- D.  $m/2$

☐ Answer - Click Here:

**B**

11. \_\_\_\_\_ is converted by a multiplexer with a register circuit.

- A. Serial data to serial
- B. Serial data to parallel
- C. Parallel data to serial



☐ Answer - Click Here:

C

12. changing in input more than one state is called \_\_\_\_\_

- A. undefined condition
- B. ideal condition
- C. reset condition
- D. [race condition](#)

☐ Answer - Click Here:

D



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## Multiple choice of DLD

**By:** Prof. Fazal Rehman Shamil **Last Modified:** April 19, 2020

### Multiple choices of DLD

1. \_\_\_\_\_ is suitable for testing the odd parity of word.

- A. AND gate
- B. OR gate
- C. NOR gate
- D. XOR gate

☐ Answer - Click Here:

D

2. Due to change in one input variable, different internal variable change, this makes \_\_\_\_\_.

- A. Hold delay
- B. Hold and Wait
- C. Clock Skew
- D. [Race condition](#)

☐ Answer - Click Here:

D

3. In asynchronous circuit \_\_\_\_\_ is responsible for occurring changes.

- A. clock pulse
- B. input
- C. output
- D. time

☐ Answer - Click Here:

B

4. \_\_\_\_\_ will give the sum of full adders as output.

- A. Three-point majority circuit
- B. Three-bit parity checker
- C. Three bit counter
- D. Three-bit comparator

☐ Answer - Click Here:

D

5. Which of the following input overrides other?

- A. Asynchronous override synchronous
- B. Synchronous override asynchronous
- C. Clear input override Preset input
- D. Preset input override Clear input

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A

**6. Present state is determined in synchronous circuits by\_\_\_\_\_**

- A. flip-flops
- B. clocked flip-flops
- C. Unlocked flip-flops
- D. latches

☐ Answer - Click Here:

A

**7. How many number of full and half-adders required to add 16-bit number?**

- A.8 half-adders, 8 full-adders
- B.16 half-adders, 0 full-adders
- C.1 half-adder, 15 full-adders
- D.4 half-adders, 12 full-adders

☐ Answer - Click Here:

C

**8. \_\_\_\_\_ is a decade counter.**

- A. Mod-10 counter
- B. Mod-5 counter
- C. Mod-8 counter
- D. Mod-3 counter

☐ Answer - Click Here:

A

**9. The state of Present and next of asynchronous circuits are also known as \_\_\_\_\_**

- A. primary variables
- B. secondary variables
- C. excitation variables
- D. short term memory

☐ Answer - Click Here:

B

**10. From maximum value the time required to a pulse to decrease from 90% to 10% is known as \_\_\_\_\_.**

- A. Decay time
- B. Rise time
- C. Binary level transition period
- D. Propagation delay

☐ Answer - Click Here:

A

**11. Where is the logic set when the transmission line is idle in the asynchronous transmission?**

- A. Remains in the previous state
- B. It is set to logic low
- C. It is set to logic high
- D. State of the transmission line is not used to start transmission

☐ **Answer - Click Here:**

**C**

**12. In \_\_\_\_\_ stable state depends on order.**

- A. defined race
- B. identical race
- C. non critical race
- D. critical race

☐ **Answer - Click Here:**

**D**



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## MCQs of DLD

**By:** Prof. Fazal Rehman Shamil **Last Modified:** April 19, 2020

### MCQs of DLD

**1. Which of the following gates give output 1, if and only if at least one input is 1?**

- A. OR
- B. AND
- C. NOR
- D. NAND

☐ Answer - Click Here:

**A**

**2. For performing the function of two-input OR gate, What is the minimum number of two-input [NAND gates](#) used?**

- A. 2
- B. 3
- C. 4
- D. 5

☐ Answer - Click Here:

**B**

**3. In an application where input signals may \_\_\_\_\_, Asynchronous circuits are useful.**

- A. never change
- B. change at any time
- C. both a and b
- D. None

☐ Answer - Click Here:

**C**

**4. The time required by a gate or inverter to change their state is called \_\_\_\_\_.**

- A. Rise time
- B. Decay time
- C. Charging time
- D. Propagation time

☐ Answer - Click Here:

**D**

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**5. The next state is determined in a sequential circuit is determined by \_\_\_\_\_ and \_\_\_\_\_**

- A. Current state and external input
- B. Current state, flip-flop output
- C. State variable, current state
- D. Input and clock signal applied

☐ Answer - Click Here:

**A**

**6. SR latch contain \_\_\_\_\_**

- A. 4 input
- B. 3 inputs
- C. 2 inputs
- D. 1 inputs

☐ Answer - Click Here:

**C**

**7. If a pulse change from 10% to 90% of its maximum value, the time required is known as \_\_\_\_\_.**

- A. Rise time
- B. Operating speed
- C. Propagation time
- D. Decay time

☐ Answer - Click Here:

**A**

**8. By using two cascading counters \_\_\_\_\_, \_\_\_\_\_ the divide-by-60 counter in digital clock is implemented.**

- A. Mod-10, Mod-50.
- B. Mod-50, Mod-10
- C. Mod-6, Mod-10
- D. Mod-50, Mod-6

☐ Answer - Click Here:

**C**

**9. Which table is not a part of the asynchronous analysis procedure?**

- A. transition table
- B. excitation table
- C. [flow table](#)
- D. state table

☐ Answer - Click Here:

10. Digital data can be applied to [gate](#) by maximum frequency which is called \_\_\_\_\_.

- A. Charging time
- B. Propagation speed
- C. Binary level transaction period
- D. Operating speed

☐ Answer - Click Here:

D

11. Minimum time for which input signal maintained at the input of flip-flop is called \_\_\_\_\_ of the flip-flop.

- A. Set-up time
- B. Hold time
- C. Pulse Stability time (PST)
- D. Pulse Interval time

☐ Answer - Click Here:

B

12. For making a [transition table](#) we use \_\_\_\_\_.

- A. 3 steps
- B. 5 steps
- C. 6 steps
- D. 8 steps

☐ Answer - Click Here:

C



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## Multiple choice Questions Digital Logic Design

**By:** Prof. Fazal Rehman Shamil **Last Modified:** April 19, 2020

### Multiple choice Questions Digital Logic Design

**1. How many bits must each word have in one-to-four line de-multiplexer to be implemented using a memory?**

- A. 8 bit
- B. 4 bits
- C. 2 bits
- D. 1 bits

☐ [Answer - Click Here:](#)

**D**

**2. The total amount of memory is depends upon \_\_\_\_\_**

- A. The organization of memory
- B. The size of the address bus of the microprocessor
- C. The size of the decoding unit
- D. The structure of memory

☐ [Answer - Click Here:](#)

**B**

**3. \_\_\_\_\_ can be determined the Instability condition.**

- A. table
- B. logic diagram
- C. map
- D. graph

☐ [Answer - Click Here:](#)

**B**

**4. If we add an inverter at the output of AND gate, what function is produced?**

- A. NAND
- B. XOR
- C. OR
- D. NOR

☐ [Answer - Click Here:](#)

**A**

**5. Which is also known as coincidence detector?**

- A. OR gate
- B. NOT gate
- C. AND gate

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☐ Answer - Click Here:

C

6. Transition table include \_\_\_\_\_

- A. squares
- B. oval
- C. rectangles
- D. circles

☐ Answer - Click Here:

A

7. For every possible combination of logical states in the inputs, which table shows the logical state of a digital circuit output?

- A. Function table
- B. ASCII table
- C. Truth table
- D. Routing table

☐ Answer - Click Here:

C

8. Stack is an acronym for \_\_\_\_\_

- A. Flash Memory
- B. LIFO memory
- C. FIFO memory
- D. Bust Flash Memory

☐ Answer - Click Here:

B

9. When an Asynchronous sequential circuit changes two or more binary states variables a Condition occurs called \_\_\_\_\_

- A. [Race condition](#)
- B. deadlock condition
- C. Running condition
- D. None of these

☐ Answer - Click Here:

A

10. A positive OR gate is also a negative

- A. NAND gate
- B. OR gate
- C. NOR gate
- D. AND gate

D

11. Sum of two [octal numbers](#) "71" and "36" = \_\_\_\_\_

- A. 123
- B. 127
- C. 213
- D. 345

☐ Answer - Click Here:

B

12. Time delay device is memory element of \_\_\_\_\_

- A. asynchronous circuits
- B. synchronous circuits
- C. clocked flip-flops
- D. Unlocked flip-flops

☐ Answer - Click Here:

A

## SET 2: DLD MCQs

1. [Boolean algebra](#) is also called

- A. arithmetic algebra
- B. switching algebra
- C. Both A & B
- D. [linear algebra](#)
- E. algebra
- F. None of there

☐ Answer - Click Here:

B

2. Boolean function must be brought into \_\_\_\_\_ To perform product of max terms

- A. OR terms
- B. AND terms
- C. Both A & B
- D. NOT terms
- E. NAND terms
- F. None of these

☐ Answer - Click Here:

A

3. The [binary number 10101 is equivalent to the decimal](#) number .....

- A. 12
- B. 19
- C. Both A & B
- D. 27
- E. 21
- F. None of these

☐ Answer - Click Here:

4. The universal gate is .....

- A. OR gate
- B. NAND gate
- C. Both A & B
- D. AND gate
- E. None of the above
- F. None of these

☐ **Answer - Click Here:**

B

5. According to [boolean algebra](#) absorption law, which of the following is correct?

- A.  $(x+y)=xy$
- B.  $x+xy=x$
- C. Both A & B
- D.  $xy+y=x$
- E.  $x+y=y$
- F. None of these

☐ **Answer - Click Here:**

D

6. A Boolean function may be transformed into

- A. logical graph
- B. logical diagram
- C. Both A & B
- D. map
- E. matrix
- F. None of these

☐ **Answer - Click Here:**

B

7. The inverter is .....

- A. OR gate
- B. NOT gate
- C. Both A & B
- D. AND gate
- E. None of the above

☐ **Answer - Click Here:**

B

8. The resulting circuit of a NAND gate are connected together is\_\_\_\_\_

- A. AND gate
- B. OR gate
- C. Both A & B
- D. NOT gate
- E. None of the above

☐ **Answer - Click Here:**

D

9.  $x*y = y*x$  is the

- A. inverse property
- B. commutative law
- C. Both A & B
- D. associative law
- E. identity element
- F. None of these

☐ **Answer - Click Here:**

E

10. Minterms are also called

- A. standard product
- B. standard sum
- C. Both A & B
- D. standard division
- E. standard subtraction
- F. None of these

☐ **Answer - Click Here:**

A

11. OR gate and \_\_\_\_\_ will form The NOR gate?

- A. NAND gate
- B. AND gate
- C. Both A & B
- D. NOT gate
- E. None of the above

☐ **Answer - Click Here:**

D

12. The NAND gate is AND gate followed by .....

- A. OR gate
- B. NOT gate
- C. Both A & B
- D. AND gate
- E. None of the above

☐ **Answer - Click Here:**

B

13. Max terms are also called

- A. standard product
- B. standard sum
- C. Both A & B
- D. standard division
- E. standard subtraction
- F. None of these

☐ **Answer - Click Here:**

B



14. In [Boolean algebra](#) Multiplicative inverse is

- A. 1
- B. 0
- C. Both A & B
- D.  $1/a$
- E. a
- F. None of these

☐ **Answer - Click Here:**

E

15. By the repeated use of ..... Digital circuit can be made

- A. NOT gates
- B. OR gates
- C. Both A & B
- D. NAND gates
- E. None of the above

☐ **Answer - Click Here:**

D

16. The only function of NOT gate is ..... of the following

- A. Invert input signal
- B. Stop signal
- C. both A & B
- D. Act as a universal gate
- E. None of the above

☐ **Answer - Click Here:**

A

17. Boolean algebra is defined as a set of

- A. two values
- B. three values
- C. Both A & B
- D. four values
- E. five values
- F. None of these

☐ **Answer - Click Here:**

A

18. First operator precedence for evaluating Boolean expressions is

- A. AND
- B. parenthesis
- C. Both A & B
- D. OR
- E. NOT
- F. None of these

☐ **Answer - Click Here:**

B

- A. 1
- B. 0
- C. Both A & B
- D. Either 0 & 1
- E. None of the above

☐ **Answer - Click Here:**

B

20. The bar sign (-) indicates ....., In Boolean algebra?

- A. AND operation
- B. OR operation
- C. Both A & B
- D. NOT operation
- E. None of the above

☐ **Answer - Click Here:**

D

21. The value of n is ..... when the resolution of an n bit DAC with a maximum input of 5 V is 5 mV.

- A. 9
- B. 8
- C. Both A & B
- D. 10
- E. 11
- F. None of these

☐ **Answer - Click Here:**

D

22. 2's complement of [binary number](#) 0101 is .....

- A. 1111
- B. 1011
- C. Both A & B
- D. 1101
- E. 1110
- F. None of these

☐ **Answer - Click Here:**

B

23. An OR gate has 4 inputs. The output is ..... When One input is high and the other three are low.

- A. High
- B. Low
- C. Both A & B
- D. alternately high and low
- E. may be high or low depending on the relative magnitude of inputs
- F. None of these

☐ **Answer - Click Here:**

A

24. To convert BCD to seven segments ..... device is used.

- A. Decoder
- B. Encoder
- C. Both A & B
- D. Multiplexer
- E. None of these

☐ **Answer - Click Here:**

A

25. [Decimal number 10](#) is equal to binary number .....

- A. 1010
- B. 1110
- C. Both A & B
- D. 1001
- E. 1000
- F. None of these

☐ **Answer - Click Here:**

A

26. In 2's complement representation the number 11100101 represents the decimal number .....

- A. -31
- B. +37
- C. Both A & B
- D. +27
- E. -27
- F. None of these

☐ **Answer - Click Here:**

E

27. BCD input 1000 is fed to a 7 segment display through a BCD to 7 segment decoder/driver. The segments which will lit up are .....

- A. a, b, c
- B. a, b, d
- C. Both A & B
- D. all
- E. a, b, g, c, d
- F. None of these

☐ **Answer - Click Here:**

D

28. A decade counter skips .....

- A. binary states 0000 to 0011
- B. binary states 1000 to 1111
- C. Both A & B
- D. binary states 1010 to 1111
- E. binary states 1111 to higher
- F. None of these

☐ **Answer - Click Here:**

29. .... Number of States A ring counter with 5 flip flops will have?

- A. 10
- B. 5
- C. Both A & B
- D. 32
- E. Infinite
- F. None of these

☐ **Answer - Click Here:**

B



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## MCQs Digital Logic Design

**By:** Prof. Fazal Rehman Shamil **Last Modified:** April 19, 2020

### MCQs Digital Logic Design

1. When we input two values 0 and 1 which of the following gates would output 1?

- A. OR gate
- B. [NAND gate](#)
- C. AND gate
- D. both a and c

☐ **Answer - Click Here:**

**D**

2. one nibble= \_\_\_\_\_ bits

- A. 16
- B. 8
- C. 4
- D. 2

☐ **Answer - Click Here:**

**C**

3. flip-flops that are unlocked are called

- A. [Transition tables](#)
- B. register
- C. Latches
- D. None

☐ **Answer - Click Here:**

**C**

4. Which is not equal to x?

- A.  $X \text{ NAND } 1$
- B.  $X \text{ NOR } X$
- C.  $X \text{ NAND } X$
- D.  $X \text{ NOR } 1$

☐ **Answer - Click Here:**

**D**

5. What value Excess-8 code assigns to "-8"?

- A. 0000

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- only B. 1100  
C. 1110  
D. 1000

☐ **Answer - Click Here:**

**A**

6. How many rows are needed in the primitive [flow table](#) for the gated latch?

- A. 1 row  
B. 3 rows  
C. 5 rows  
D. 7 rows

☐ **Answer - Click Here:**

**A**

7. Which gate is added to the inputs to convert OR gate into NAND gate?

- A. XOR  
B. AND  
C. OR  
D. NOT

☐ **Answer - Click Here:**

**D**

8. LUT What is the acronym for LUT?

- A. Local User Terminal  
B. Least Upper Time Period  
C. Look Up Table  
D. None of given options

☐ **Answer - Click Here:**

**C**

9. Final stable state in all cases is \_\_\_\_\_.

- A. undefined  
B. same  
C. changed  
D. inverted

☐ **Answer - Click Here:**

**B**

10. Which gate is equal to the EXCLUSIVE NOR gate if we put the inverter on it?

- A. NAND  
B. AND

☐ Answer - Click Here:

C

11. The three basic gates are

- A. NOT, NOR, XOR
- B. OR, AND, NAND
- C. AND, NAND, XOR
- D. NOT, OR, AND

☐ Answer - Click Here:

D

12. In timing problem of \_\_\_\_\_ complexity of asynchronous circuit is involved.

- A. inputs
- B. feedback path
- C. clock pulses
- D. outputs

☐ Answer - Click Here:

B



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## Lattest Artificial Intelligence Mcq's

**By:**Prof. Fazal Rehman Shamil **Last Modified:** April 19, 2020

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### Latest Artificial Intelligence Mcq's

1. First AI [programming language](#) is...

- a) FORTRAN
- b) IPL
- c) LISP
- d) BASIC

☐ [Answer - Click Here:](#)

B

2. The mechanics of human intelligence investigates in...

- a) sociology
- b) psychology
- c) cognitive science
- d) history

☐ [Answer - Click Here:](#)

C

3. Which of the following is caused of Ambiguity...

- a) multiple word meanings
- b) unclear antecedent
- c) syntactic ambiguity
- d) all of these

☐ [Answer - Click Here:](#)

D

4. Which of the following process is repeated, evaluated, and refined?

- a) interpretive
- b) iterative
- c) diagnostic
- d) descriptive

☐ [Answer - Click Here:](#)

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**5. A series of AI systems developed by?**

- a) DURHAM
- b) BACON
- c) MIT
- d) RAMD

☐ **Answer - Click Here:**

B

**6. Which of the following is the primary interactive method of communication?**

- a) speaking
- b) reading
- c) writing
- d) all of these

☐ **Answer - Click Here:**

B

**7. [Software development](#) tools are...**

- a) debuggers
- b) editors and interpreters
- c) assemblers, compiler
- d) all of the above

☐ **Answer - Click Here:**

D

**8. Which of the following is product of KEE?**

- a) IntelliCorp
- b) Teknowledge
- c) txas Instruments
- d) intelliCorpnc

☐ **Answer - Click Here:**

A

**9. Which generation of computers is associated with [artificial intelligence](#)?**

- a) 2nd
- b) sixth
- c) 4th

☐ [Answer - Click Here:](#)

D

**10. .... is called the father of [Artificial intelligence...](#)**

- a) Dennis Ritchie
- b) James C Gosling
- c) Isaac Newton
- d) Alan Turing

☐ [Answer - Click Here:](#)

D

**11. The goals of AI systems are...**

- a) Answering questions
- b) Manipulating robotic devices
- c) Recognizing objects
- d) All of the above

☐ [Answer - Click Here:](#)

D

**12. Which of the following uses the knowledge of mathematics and engineering?**

- a) push-pop approach
- b) bottom-up
- c) Top-down
- d) rationalist

☐ [Answer - Click Here:](#)

D

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## MCQ's of Artificial Intelligence

**By:** Prof. Fazal Rehman Shamil **Last Modified:** May 27, 2019

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### MCQ's of Artificial Intelligence

#### 1. State space is...

- a) Representing your problem with variable and parameter
- b) Problem you design
- c) Your Definition to a problem
- d) The whole problem

☐ **Answer - Click Here:**

A

#### 2. What is a Web Crawler?

- a) Simple reflex agent
- b) Model-based agent
- c) Problem-solving agent
- d) Intelligent goal-based agent

☐ **Answer - Click Here:**

A

#### 3. Informed search strategy also called...

- a) Simple search
- b) Online search
- c) Heuristic search
- d) None of these

☐ **Answer - Click Here:**

C

#### 4. Zero sum game has player...

- a) seven
- b) Two
- c) three player
- d) Multiplayer

☐ **Answer - Click Here:**

D

#### 5. An agent is composed of...

- a) Architecture and Program
- b) Perception Sequence
- c) Agent Function
- d) Architecture


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A

## 6. Values of alpha-beta search get updated...

- a) At the end
- b) along the path of search
- c) Initial state itself
- d) None of the mentioned

☐ [Answer - Click Here:](#)

B

## 7. Calculate the feasibility of whole game tree used...

- a) Evaluation function
- b) Alpha-beta pruning
- c) Transposition
- d) All of these

☐ [Answer - Click Here:](#)

A

## 8. Which of the following is also called First order Logic?

- a) Lower Order Calculus
- b) First Order Predicate Calculus
- c) Quantification Theory
- d) All of these

☐ [Answer - Click Here:](#)

D

## 9. Single propositional symbol created by...

- a) Composition sentences
- b) Atomic sentences
- c) Complex sentences
- d) None of these

☐ [Answer - Click Here:](#)

B

## 10. Which one is used for compute the logical inference algorithm?

- a) Validity
- b) Satisfiability
- c) Logical equivalence
- d) All of these

☐ [Answer - Click Here:](#)

D

## 11. Single inference rule also called...

- a) Resolution
- b) Reference
- c) Reference

☐ Answer - Click Here:

A

## 12. Factoring means...

- a) Removal of redundant literal
- b) Removal of redundant variable
- c) Addition of redundant variable
- d) Addition of redundant literal

☐ Answer - Click Here:

B

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## Artificial Intelligence MCQ's

**By:** Prof. Fazal Rehman Shamil **Last Modified:** April 19, 2020

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### Artificial Intelligence MCQ's

#### 1: Whose introduced lisp...

- a) Marvin Minsky
- b) John McCarthy
- c) Alan Turing
- d) Allen Newell and Herbert Simon

☐ **Answer - Click Here:**

B

#### 2: Artificial intelligence is...

- a) Making a Machine intelligent
- b) Playing a Game
- c) Putting your intelligence into Computer
- d) Programming with your own intelligence

☐ **Answer - Click Here:**

C

#### 3: Which search method takes less memory in mention below...

- a) optimal Search
- b) linear search
- c) Depth-First search
- d) Breadth-First Search

☐ **Answer - Click Here:**

D

#### 4: Which of the following improved the performance of an agent...

- a) observing
- b) learning
- c) Perceiving
- d) none of these

☐ **Answer - Click Here:**

B

#### 5: Which selected External actions of the agent in these options...

- a) learning
- b) Actuator
- c) Perceive
- d) performance


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D

## 6: Artificial Intelligence approaches..

- a) weak Artificial Intelligence
- b) applied Artificial Intelligence
- c) strong Artificial Intelligence
- d) All of these

☐ Answer - Click Here:

D

## 7: Which of the following are the example of the intelligent agents...

- a) robot
- b) human
- c) Autonomous Spacecraft
- d) All of these

☐ Answer - Click Here:

D

## 8: Which is true for describing the judgmental or commonsense part of problem solving in artificial intelligence...

- a) Critical
- b) Heuristic Critical
- c) Analytical
- d) Value based

☐ Answer - Click Here:

B

## 9: Which of the following is subfields of Natural language processing...

- a) algorithmic and heuristic
- b) understanding and generation
- c) symbolic and numeric
- d) time and motion

☐ Answer - Click Here:

A

## 10: Which method is used for communication between human...

- a) speaking
- b) writing
- c) reading
- d) none of these

☐ Answer - Click Here:

A

## 11: Which of the following is true about mouse device is...

- a) mechanical electro-chemical
- b) electro-chemical

- b) electro-chemical  
c) optical  
d) mechanical and optical

☐ Answer - Click Here:

D

**12: The types of agents in artificial intelligence is...**

- a) 3  
b) 4  
c) 2  
d) 1

☐ Answer - Click Here:

B

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## Compiler Construction MCQs

**By:** Prof. Fazal Rehman Shamil **Last Modified:** April 19, 2020

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### Compiler Construction MCQs

1. compiler work, source code into\_\_\_\_\_?.

- A. Machine code
- B. Executable code
- C. [Binary code](#)
- D. Both B and C
- E. Both A and C

☐ Answer - Click Here:

E

2. How many numbers of tokens in this statement\_\_\_\_\_.

```
printf("k= %d, &k = %x", k, &k);
```

- A. 11
- B. 31
- C. 4
- D. 10
- E. none of these

☐ Answer - Click Here:

D

3. one or more parse tree for some sentence, that is \_\_\_\_\_grammer.

- a) Unambiguous
- b) Ambiguous
- c) Both A and B
- d) None of these

☐ Answer - Click Here:

B

4. A lexical analyzer produce\_\_\_\_\_?

- A. Machine code
- B. Binary code
- C. tokens
- D. Both A and B
- E. None of these

☐ Answer - Click Here:

C

5. The parts of the compiler are \_\_\_\_\_.

- A. 6


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- B. 8
- C. 2
- D. 3
- E. None of these

☐ [Answer - Click Here:](#)

**C**

**6. One of the fastest logic is \_\_\_\_\_?.**

- A. ECL
- B. TTL
- C. Both A and B
- D. None of these

☐ [Answer - Click Here:](#)

**A**

**7. compiler indicate the \_\_\_\_\_ error.**

- A. Syntax error
- B. Logical error
- C. Run time error
- D. All of these

☐ [Answer - Click Here:](#)

**A**

**8. \_\_\_\_\_ is not a phase of compiler.**

- A. syntax
- B. testing
- C. lexiacal
- D. Both A and C
- E. None of these

☐ [Answer - Click Here:](#)

**B**

**9. Parsing is also called \_\_\_\_\_ analysis?**

- A. semantic
- B. lexical
- C. syntax
- D. Both A and B

☐ [Answer - Click Here:](#)

**C**

**10. A process, a string of tokens can be generated by \_\_\_\_\_.**

- A. Parsing
- B. Analysing
- C. Translating
- D. All of these

☐ [Answer - Click Here:](#)

**A**

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## Compiler Construction MCQs for job

**By:** Prof. Fazal Rehman Shamil **Last Modified:** April 19, 2020

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### Compiler Construction MCQs for job

1. The [binary of the decimal number](#) 368 is equal to \_\_\_\_\_.

- A. 10111000
- B. 111100101
- C. 110110000
- D. 110110010
- E. None of these

☐ [Answer - Click Here:](#)

C

2. lexical analyzer produce\_\_\_\_\_.

- A. Tokens
- B. parser
- C. [Regular expression](#)
- D. Both A and B
- E. None of these

☐ [Answer - Click Here:](#)

A

3. compiler writer focus on which thing ?.

- A. Data dependence
- B. Fast performance
- C. Correctness
- D. Both A and B
- E. None of these

☐ [Answer - Click Here:](#)

C

4. Running time of any program based on\_\_\_\_\_.

- A. Addressing mode
- B. Order of computations
- C. Both A and B
- D. All of these

☐ [Answer - Click Here:](#)

C

5. in FSA technique, \_\_\_\_\_ is used in the compiler.

- A. Parser
- B. Lexical analysis



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- only C. token
- D. Both A and C
- E. None of these

☐ Answer - Click Here:

**B**

**6. \_\_\_\_\_ is used to assign local variables.**

- A. Queue
- B. token
- C. Registers
- D. Stack
- E. All of these

☐ Answer - Click Here:

**D**

**7. A latch include on \_\_\_\_\_ gates.**

- A. NAND and NOR
- B. AND
- C. AND OR
- D. Both A and B
- E. None of these

☐ Answer - Click Here:

**A**

**8. \_\_\_\_\_ are also called Lexemes.**

- A. Identifiers
- B. Keywords
- C. Both A and B
- D. None of these

☐ Answer - Click Here:

**C**

**9. Compiler indicates \_\_\_\_\_ errors.**

- A. logical errors
- B. syntax
- C. Grammatical
- D. Both A and B
- E. None of these

☐ Answer - Click Here:

**C**

**10. one of the best parers is \_\_\_\_\_.**

- A. Cononical LR
- B. SLR
- C. Both A and B
- D. None of these

☐ Answer - Click Here:



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## Compiler Construction Multiple Choices Questions

**By:** Prof. Fazal Rehman Shamil **Last Modified:** April 19, 2020

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### Compiler Construction Multiple Choices Questions

**1. breaking of character sentences with the following term ?.**

- A. Packets
- B. Groups
- C. Tokens
- D. None of these

☐ [Answer - Click Here:](#)

C

**2. Execution time dropped a total of \_\_\_\_\_ clock cycles.**

- A. 3
- B. 7
- C. 9
- D. 11
- E. All of these

☐ [Answer - Click Here:](#)

C

**3. \_\_\_\_\_ is used to convert high-level language into a low-level language.**

- A. Assembler
- B. Interpreter
- C. Compiler
- D. Both A and B
- E. None of these

☐ [Answer - Click Here:](#)

C

**4. Important phase of structured grammar is\_\_\_\_\_.**

- A. Context-free
- B. Regular
- C. Context sensitive
- D. Both A and B

☐ [Answer - Click Here:](#)

C

**5. One of the Phases Of Analysis Part is\_\_\_\_\_.**

- A. [Linear Analysis.](#)
- B. Backtracking
- C. Amiguity



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☐ Answer - Click Here:

**A**

**6. Following are The Problems of Top-Down Parsing?.**

- A. Backtracking
- B. Context sensitive
- C. Ambiguity
- D. Both A and C

☐ Answer - Click Here:

**D**

**7. What Are The Various Types Of Intermediate Code Representation?**

- A. Three address code
- B. Postfix
- C. Syntax tree
- D. All of these

☐ Answer - Click Here:

**D**

**8. YACC stand for\_\_\_\_\_.**

- A. Yet Another [compiler construction](#)
- B. Yet Another compiler compiler
- C. Yet Another compiler code
- D. None of these

☐ Answer - Click Here:

**B**

**9. important issues in parsing are \_\_\_\_\_.**

- A. Specification of syntax
- B. Representation of input after parsing.
- C. Both A and B
- D. None of these

☐ Answer - Click Here:

**C**

**10. some compiler construction tools are\_\_\_\_\_.**

- A. Parser generators
- B. Syntax-directed translation engines
- C. Both A and B
- D. None of these

☐ Answer - Click Here:

**C**

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## Computer Architecture MCQs from latest Books edition

**By:** Prof. Fazal Rehman Shamil **Last Modified:** May 27, 2019

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### Computer Architecture MCQs from latest Books edition

#### 1. Which registers of the processor are connected to Memory Bus?

- A. PC
- B. MAR
- C. IR
- D. Both PC and MAR

☐ [Answer - Click Here:](#)

**B**

#### 2. What is a collection of 8 bits called?

- A. Byte
- B. Word
- C. Record
- D. None of these

☐ [Answer - Click Here:](#)

**A**

#### 3. What does ISP stand for?

- A. Interchange Standard Protocol
- B. Interrupt Service Procedure
- C. Instruction Set Processor
- D. Information Standard Processing

☐ [Answer - Click Here:](#)

**C**

#### 4. What is the ascending order of a data Hierarchy?

- A. Bytes -bit – record – field – file – database
- B. Bytes – bit- field – record – file – database
- C. Bit – bytes – record – field – file – database
- D. Bit – bytes – fields – record – file – database

☐ [Answer - Click Here:](#)

**D**

#### 5. Internal components of the processor are connected by:

- A. Rambus
- B. Processor bus
- C. Processor intra-connectivity circuitry
- D. Memory bus

☐ [Answer - Click Here:](#)

**B**



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**6. How much address lines are required to address each memory location in a 2048 x 4 memory chip?**

- A. 11
- B. 12
- C. 6
- D. 14

☐ [Answer - Click Here:](#)

**A**

**7. What is used to choose between incrementing the PC or performing ALU operations?**

- A. Control unit
- B. Conditional codes
- C. Multiplexer
- D. None of these

☐ [Answer - Click Here:](#)

**C**

**8. What is a computer program called that converts an entire program into machine language at one time?**

- A. Simulator
- B. Interpreter
- C. Commander
- D. Compiler

☐ [Answer - Click Here:](#)

**D**

**9. The interconnection between ALU & Registers is collectively known as:**

- A. Information path
- B. Data path
- C. Process route
- D. Information trail

☐ [Answer - Click Here:](#)

**B**

**10. Where does the operand is placed in immediate addressing?**

- A. After OP code in the instruction
- B. In the CPU register
- C. In stack
- D. In memory

☐ [Answer - Click Here:](#)

**A**

**11. What is used to store data in registers?**

- A. JK flip-flop
- B. RS flip-flop
- C. D flip-flop
- D. None of these

☐ [Answer - Click Here:](#)

**C**

**12. What are the interrupts which are initiated by an I/O drive?**

- A. Software
- B. External
- C. Internal
- D. All of these

☐ Answer - Click Here:

**B**

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## Computer Architecture MCQs for Entry Test Preparation

**By:** Prof. Fazal Rehman Shamil **Last Modified:** August 13, 2020

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### Computer Architecture MCQs for Entry Test Preparation

#### 1. What does MFC stand for?

- A. Memory Find Command
- B. Mass Format Command
- C. Memory Format Caches
- D. Memory Function Complete

☐ [Answer - Click Here:](#)

**D**

#### 2. Pipeline implements \_\_\_\_\_:

- A. Decode instruction
- B. Fetch operand
- C. Fetch instruction
- D. All of these

☐ [Answer - Click Here:](#)

#### 3. What is the time delay between two successive initiations of memory operation called?

- A. Memory cycle time
- B. Instruction delay
- C. [Memory access](#) time
- D. Memory search time

☐ [Answer - Click Here:](#)

**A**

#### 4. \_\_\_\_\_ is used in present-day computing was developed by IBM Corporation:

- A. Baudot code
- B. EBCDIC code
- C. [ASCII code](#)
- D. Hollerith code

☐ [Answer - Click Here:](#)

**B**

#### 5. Where does the decoded instruction is stored in?

- A. Registers
- B. MDR
- C. IR
- D. PC

☐ [Answer - Click Here:](#)

**C**

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**6. The address of the instruction following the CALL instructions stored in/on the:**

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- A. Program counter
- B. Stack
- C. Stack Pointer
- D. Accumulator

☐ Answer - Click Here:

**B**

**7. What does the instruction -> Add LOCA, R0 does?**

- A. Adds the values of both LOCA and R0 and stores it in R0
- B. Adds the value of LOCA with a value in accumulator and stores it in R0
- C. Adds the value of LOCA to R0 and stores in the temp register
- D. Adds the value of R0 to the address of LOCA

☐ Answer - Click Here:

**A**

**8. What is a microprogram called that is written as the string of 0's and 1's?**

- A. Symbolic microprogram
- B. Symbolic microinstruction
- C. Binary microinstruction
- D. Binary microprogram

☐ Answer - Click Here:

**D**

**9. \_\_\_\_\_ registers can interact with the secondary storage:**

- A. IR
- B. R0
- C. MAR
- D. PC

☐ Answer - Click Here:

**C**

**10. Which interrupts can be initiated by an instruction?**

- A. Hardware
- B. Software
- C. Internal
- D. External

☐ Answer - Click Here:

**D**

**11. Which gets initialized first during the execution of a program?**

- A. PC
- B. MAR
- C. MDR
- D. IR

☐ Answer - Click Here:

**A**

**12. In RISC architecture, memory access is limited to instructions:**

- A. MOV and JMP

- only
- A. MOV and JMP
  - B. STA and LDA
  - C. PUSH and POP
  - D. CALL and RET

☐ Answer - Click Here:

**B**

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## Computer Architecture Multiple Choice Questions

**By:** Prof. Fazal Rehman Shamil **Last Modified:** August 13, 2020

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### Computer Architecture Multiple Choice Questions

#### 1. What does the control unit generate to control other units?

- A. Transfer signals
- B. Command Signals
- C. Control signals
- D. Timing signals

☐ [Answer - Click Here:](#)

**D**

#### 2. \_\_\_\_\_ is the branch logic that provides decision-making capabilities in the control unit:

- A. Unconditional transfer
- B. Controlled transfer
- C. Conditional transfer
- D. None of these

☐ [Answer - Click Here:](#)

**A**

#### 3. What are encoded characters & numbers used as operands?

- A. Stored Values
- B. Information
- C. Data
- D. Input

☐ [Answer - Click Here:](#)

**C**

#### 4. Any instruction initiates interrupt which are:

- A. hardware
- B. software
- C. internal
- D. external

☐ [Answer - Click Here:](#)

**B**

#### 5. When does the input devices send information to the processor?

- A. When the data arrives regardless of the SIN flag
- B. When the SIN status flag is set
- C. Either of the cases
- D. Neither of the cases

☐ [Answer - Click Here:](#)

**B**



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**6. What do processors of all computers must have?**

- A. Control unit
- B. ALU
- C. Primary Storage
- D. All of these

☐ Answer - Click Here:

**D**

**7. Which of the following bus structure is used to connect I/O devices?**

- A. Star bus
- B. Rambus
- C. Single bus
- D. Multiple bus

☐ Answer - Click Here:

**C**

**8. In the CPU, what is the functionality of the control unit?**

- A. To decode program instruction
- B. To perform logic operations
- C. To store program instruction
- D. To transfer data to primary storage

☐ Answer - Click Here:

**A**

**9. With the help of \_\_\_\_\_ we reduce the [memory access](#) time:**

- A. SDRAM
- B. Cache
- C. Heaps
- D. Higher capacity RAMs

☐ Answer - Click Here:

**B**

**10. What is a dedicated computer?**

- A. Which does one kind of software
- B. Which is meant for [application software](#) only
- C. Which is used by one person only
- D. Which is assigned to one and only one task

☐ Answer - Click Here:

**D**

**11. What is used to increase the apparent size of physical memory?**

- A. Disks
- B. Hard-disk
- C. [Virtual memory](#)
- D. [Secondary memory](#)

☐ Answer - Click Here:

**C**

**12. The most common addressing techniques employed by a CPU is:**

- A. Direct
- B. Indirect
- C. Immediate
- D. All of these

☐ Answer - Click Here:

D

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## Computer Architecture MCQs

**By:** Prof. Fazal Rehman Shamil **Last Modified:** August 13, 2020

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### Computer Architecture MCQs

#### 1. Which format is used to store data?

- A. Hexadecimal
- B. Octal
- C. Decimal
- D. BCD

☐ [Answer - Click Here:](#)

**D**

#### 2. A computer add and compare data at \_\_\_\_\_?

- A. CPU chip
- B. Memory chip
- C. [Hard disk](#)
- D. Floppy disk

☐ [Answer - Click Here:](#)

**A**

#### 3. \_\_\_\_\_ is the 8-bit encoding format used to store data in a computer:

- A. ANCI
- B. USCII
- C. ASCII
- D. EBCDIC

☐ [Answer - Click Here:](#)

**D**

#### 4. What does a microcomputer system consist of?

- A. Memory
- B. Peripheral equipment
- C. Microprocessor
- D. All of these

☐ [Answer - Click Here:](#)

**D**

#### 5. \_\_\_\_\_ is used in a source program:

- A. Natural language
- B. [Assembly language](#)
- C. High-level language
- D. Machine level language

☐ [Answer - Click Here:](#)

**C**



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only **6. Which operation a CPU do not perform?**

163 of 464

- A. [Arithmetic operation](#)
- B. Data transfer
- C. Logic operation
- D. All of these

☐ **Answer - Click Here:**

**D**

**7. \_\_\_\_\_ is made of semiconductors:**

- A. Hard-disk
- B. RAM
- C. CD disk
- D. Floppy disk

☐ **Answer - Click Here:**

**B**

**8. What is a pipelining strategy called?**

- A. Instruction manipulation
- B. Instruction decoding
- c. Instruction prefetch
- D. Instruction execution

☐ **Answer - Click Here:**

**C**

**9. Fast & Small RAMs are known as:**

- A. Cache
- B. Stacks
- C. Heaps
- D. Accumulators

☐ **Answer - Click Here:**

**A**

**10. What is a stack?**

- A. 16-bit register in the microprocessor
- B. 8-bit register in the microprocessor
- C. 16-bit memory address stored in the program counter
- D. set of memory locations in R/WM reserved for storing information temporarily during the execution of computer

☐ **Answer - Click Here:**

**D**

**11. To store the intermediate results the ALU takes help from:**

- A. Registers
- B. Accumulators
- C. Stack
- D. Heap

☐ **Answer - Click Here:**

**B**

**12. What is a stack pointer?**



- A. The first memory location where a subroutine address is stored
- B. A register in which flag bits are stored
- C. 16-bit register in the microprocessor that indicates the beginning of the stack memory
- D. A register that decodes and executes the 16-bit arithmetic expression

☐ Answer - Click Here:

C

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## Computer Architecture MCQs

**By:** Prof. Fazal Rehman Shamil **Last Modified:** August 13, 2020

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### Computer Architecture MCQs

#### 1. Which format is used to store data?

- A. Hexadecimal
- B. Octal
- C. Decimal
- D. BCD

☐ [Answer - Click Here:](#)

**D**

#### 2. A computer add and compare data at \_\_\_\_\_?

- A. CPU chip
- B. Memory chip
- C. [Hard disk](#)
- D. Floppy disk

☐ [Answer - Click Here:](#)

**A**

#### 3. \_\_\_\_\_ is the 8-bit encoding format used to store data in a computer:

- A. ANCI
- B. USCII
- C. ASCII
- D. EBCDIC

☐ [Answer - Click Here:](#)

**D**

#### 4. What does a microcomputer system consist of?

- A. Memory
- B. Peripheral equipment
- C. Microprocessor
- D. All of these

☐ [Answer - Click Here:](#)

**D**

#### 5. \_\_\_\_\_ is used in a source program:

- A. Natural language
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- C. High-level language
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☐ [Answer - Click Here:](#)

**C**


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☐ [Answer - Click Here:](#)

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☐ [Answer - Click Here:](#)

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☐ [Answer - Click Here:](#)

**D**

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- C. Stack
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☐ [Answer - Click Here:](#)

**B**

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☐ Answer - Click Here:

C

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## Computer Architecture Test MCQs

**By:** Prof. Fazal Rehman Shamil **Last Modified:** August 13, 2020

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### Computer Architecture Test MCQs

#### 1. What is the main virtue for using single Bus structure?

- A. Cost effective connectivity and ease of attaching peripheral devices
- B. Fast data transfers
- C. Cost effective connectivity and speed
- D. None of these

☐ [Answer - Click Here:](#)

**A**

#### 2. \_\_\_\_\_ is the advantage of a single bus over a multibus:

- A. High operating speed
- B. Flexibility in attaching peripheral devices
- C. Low cost
- D. Both B & C

☐ [Answer - Click Here:](#)

**D**

#### 3. In various devices, \_\_\_\_\_ are used to overcome the difference in data transfer speed:

- A. Multiple Buses
- B. Buffer registers
- C. Speed-enhancing circuitry
- D. Bridge circuits

☐ [Answer - Click Here:](#)

**B**

#### 4. Why is an extra clock needed in serial communication?

- A. To make efficient use of RS-232
- B. To synchronize the devices
- C. For programmed baud rate control
- D. None of these

☐ [Answer - Click Here:](#)

**C**

#### 5. What do we use to extend the connectivity of the processor bus?

- A. PCI bus
- B. Multiple bus
- C. SCSI bus
- D. Controllers

☐ [Answer - Click Here:](#)

**A**



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**6. The idle situation occurs in which of the following instruction bus?**

- A. INX H
- B. DAA
- C. EI
- D. DAD RP

☐ [Answer - Click Here:](#)

**D**

**7. What does a bus standard developed by IBM for their line of computers 'PC AT' called?**

- A. M-bus
- B. ISA
- C. IB bus
- D. None of these

☐ [Answer - Click Here:](#)

**B**

**8. What is the addressing called that is used in an instruction of the form ADD X Y is?**

- A. Indirect
- B. Index
- C. Absolute
- D. Immediate

☐ [Answer - Click Here:](#)

**C**

**9. \_\_\_\_\_ is the bus used to connect the monitor to the CPU:**

- A. Memory bus
- B. Rambus
- C. PCI bus
- D. SCSI bus

☐ [Answer - Click Here:](#)

**D**

**10. Through which technique, the speed imbalance between [memory access](#) and CPU operation can be reduced?**

- A. Memory interleaving
- B. Cache memory
- C. Reducing the size of memory
- D. Both A & B

☐ [Answer - Click Here:](#)

**D**

**11. What does ANSI stand for?**

- A. American National Standards Institute
- B. American Network Standard Interfacing
- C. American [Network Security](#) Interrupt
- D. American National Standard Interface

☐ [Answer - Click Here:](#)

**A**

12. \_\_\_\_\_ does not need extra hardware for refreshing of DRAM:

- A. Motorola – 6800
- B. 8085
- C. Z – 80
- D. All of these

☐ Answer - Click Here:

C

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## Computer Architecture Important Question Answers

**By:** Prof. Fazal Rehman Shamil **Last Modified:** August 13, 2020

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### Computer Architecture Important Question Answers

#### 1. What is the goal of a compiler?

- A. Be versatile
- B. Be able to detect even the smallest of errors
- C. Reduce the clock cycles for a programming task
- D. Reduce the size of the object code

☐ Answer - Click Here:

C

#### 2. In every cache valid bit is associated with \_\_\_\_\_:

- A. Each memory word in a cache
- B. One bit with all memory words
- C. Each memory byte in the cache
- D. None of these

☐ Answer - Click Here:

C

#### 3. What does SPEC stand for?

- A. System Performance Evaluation Corporation
- B. Standard Processing Enhancement Corporation
- C. Standard Performance Evaluation Code
- D. System Processing Enhancing Code

☐ Answer - Click Here:

A

#### 4. The function $K=\bar{J}$ in J-K flip-flop is used to realize \_\_\_\_\_:

- A. T flip-flop
- B. Master-slave flip-flop
- C. D flip-flop
- D. S-R flip-flop

☐ Answer - Click Here:

B

#### 5. What is the reference system to find the performance of a system As of 2000?

- A. SUN SPARC
- B. SUN II
- C. Ultra SPARC 10
- D. None of these

☐ Answer - Click Here:

C



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**6. How many output lines an encoder has?**

- A.  $2^n$
- B.  $n^n$
- C. 2
- D. n

☐ Answer - Click Here:

**D**

**7. Where does the instruction gets stored during a looping operation?**

- A. System Heap
- B. System Stack
- C. Registers
- D. Cache

☐ Answer - Click Here:

**D**

**8. How many bits does [ASCII](#) code require for alphabet character?**

- A. 8
- B. 7
- C. 10
- D. 12

☐ Answer - Click Here:

**B**

**9. What is the clock period of a processor clock if it is rated as 1250 million cycles per second?**

- A.  $8 \times 10^{-10}$  sec
- B.  $1.25 \times 10^{-10}$  sec
- C.  $1.6 \times 10^{-9}$  sec
- D.  $1.9 \times 10^{-10}$  sec

☐ Answer - Click Here:

**A**

**10. What one is the basic limitation of FSM?**

- A. An FSM sometimes recognize grammars that are not regular
- B. It sometimes fails to recognize grammar that is regular
- C. An FSM can remember the arbitrary large amount of information
- D. All of the above comments are true

☐ Answer - Click Here:

**C**

**11. What does CISC stand for?**

- A. Complex Instruction Set Computer
- B. Complex Instruction Sequential Compilation
- C. Complete Instruction Sequential Compilation
- D. Computer Integrated Sequential Compiler

☐ Answer - Click Here:

**A**

12. The hexadecimal equivalent of a [binary number](#) 10101111 is:

- A. 9E
- B. 8C
- C. AF
- D. All of these

☐ Answer - Click Here:

C

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## Computer Architecture and Organization Solved MCQs

**By:** Prof. Fazal Rehman Shamil **Last Modified:** August 13, 2020

### Computer Architecture and Organization Solved MCQs Questions Answers

**A top-level view of computer function and interconnection**

**1. The processing required for a single instruction is called an**

- A. Instruction processing
- B. Instruction cycle
- C. Memory instruction
- D. None of them

**The right answer is**

- B) Instruction cycle

**2. The fetched instruction is loaded into a register in the processor known as the**

- A. Memory
- B. kernel
- C. instruction register (IR)
- D. memory registers

**Right answer is**

- C) Instruction registers

**3. The processor may perform some arithmetic or logic operation on data is**

- A. data processing
- B. control
- C. Processor
- D. None of them

**Right answer is**

- A) Data processing

**4. The contents of the AC are stored in a location**

- A. 301
- B. 302
- C. 941
- D. 303

**Right answer is**

- C) 941

**5. The collection of paths connecting the various modules is called**

Search

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- A. interconnections
- B. communicating
- C. joining
- D. Interconnection structure

**Right answer is**

- D) Interconnection structure

**7. As with sequential access, direct access involves ————— mechanism**

- A. Read
- B. Write
- C. None
- D. Both a and b

**Right answer is**

- D) both a and b

**8. The mapping function is easily implemented using the**

- A. Registers
- B. Memory
- C. Main memory address
- D. None of them

**Right answer is**

- C) Main memory address

**9. The problem with write-back is that portions of the main memory are**

- A. valid
- B. invalid
- C. access
- D. None of them

**Right answer is**

- B) Invalid

**10. The ————— processor can be dynamically configured to support write-through caching.**

- A. Pentium 2
- B. Pentium 3
- C. Pentium 4
- D. None of them

**Right answer is**

- C) Pentium 4

**11. The common form of read-mostly memory**

- B. EEPROM
- C. Flash memory
- D. All of these

Right answer is

D) All of these

12. A more attractive form of read-mostly memory is

- A. EPROM
- B. EEPROM
- C. Flash memory
- D. None of them

Right answer is

B) EEPROM

13. A number of chips can be grouped together to form a

- A. Main memory
- B. Memory bank
- C. Memory
- D. None of them

Right answer is

B) Memory bank

14. EPROM stands for

- A. Erasable programmable read-only memory
- B. An electrically programmable read-only memory
- C. Error programmable read-only memory
- D. None of them

Right answer is

A) Erasable programmable read-only memory

15. SDRAM stands for

- A. Static dynamic random access memory
- B. System dynamic random access memory
- C. Synchronous dynamic random access memory
- D. Syndrome dynamic random access memory

Right answer is

C) Synchronous dynamic random access memory

16. There are typically hundreds of sectors per

- A. Disk

C. Gaps

D. Disk data

**Right answer is**

B) Track

**18. The information can then be scanned at the same rate by rotating the disk at a fixed speed, known as**

A. Constant angular velocity

B. Multiple zone recording

C. Disk data layout

D. None of them

**Right answer is**

A) Constant angular velocity

**19. The ----- byte is a special bit pattern that delimits the beginning of the field.**

A. SYNCH

B. ID

C. 512

D. 600

**Right answer is**

A) SYNCH

**20. A ----- disk can be removed and replaced with another disk**

A. Nonremovable

B. Removable

C. Single Sided

D. Double Sided

**Right answer is**

B) Removable

**21. The set of all the tracks in the same relative position on the platter is referred to as a**

A. Platter

B. Tracks

C. Cylinder

D. None of them

**Right answer is**

C) Cylinder

**22. An external device attaches to the computer by a link to an**

- B. Output module
- C. Both a and b
- D. None of them

**Right answer is**

- C) Both a and b

**22. Suitable for communicating with remote devices**

- A. Communication
- B. Machine-readable
- C. Human readable
- D. None of them

**Right answer is**

- A) Communication

**23. In how many classify external devices**

- A. Communication
- B. Machine-readable
- C. Human readable
- D. All of these

**Right answer is**

- D) All of these

**24. The user provides input through the**

- A. Microphone
- B. keyboard
- C. monitor
- D. none of them

**Right answer is**

- B) Keyboard

**25. An I/O module is often responsible for error detection and for subsequently reporting errors to the**

- A. Processor
- B. Main memory
- C. RAM
- D. None of them

**Right answer is**

- A) processor

**26. The most important system program is the**

- A. MAC



B. Operating system

C. Linux

D. None of them

**Right answer is**

B) Operating system

**27. How many layers of a Computer System**

A. One

B. Two

C. Three

D. Four

**Right answer is**

D) Four

**28. The access function must provide protection of resources and data from  
----- users**

A. Unauthorized

B. Authorized

C. End

D. None of them

**Right answer is**

a) Unauthorized

**29. How many types of errors**

A. Internal and external hardware errors

B. Memory errors

C. Device failure

D. All of these

**Right answer is**

D) All of these

**30. Addition proceeds as if the two numbers were unsigned integers**

A. Integers

B. Signed integers

C. Unsigned integers

D. None of them

**Right answer is**

C) Unsigned integers

**31. Starting at any number on the circle, we can add positive k (or subtract  
negative k) to that number by moving k positions -----**

A. clockwise

- B. anticlockwise
- C. counterclockwise
- D. none of them

**Right answer is**

- a) clockwise

**32. Compared with addition and subtraction, multiplication is a complex operation, whether performed in -----**

- A. software
- B. hardware
- C. both a and b
- D. None of them

**Right answer is**

- C) both a and b

**33. Addition proceeds as if the two numbers were unsigned integers**

- A. Integers
- B. Signed integers
- C. Unsigned integers
- D. None of them

**Right answer is**

- C) Unsigned integers

**34. Starting at any number on the circle, we can add positive k (or subtract negative k) to that number by moving k positions -----**

- A. clockwise
- B. anticlockwise
- C. counterclockwise
- D. none of them

**Right answer is**

- A) clockwise

**35. Compared with addition and subtraction, multiplication is a complex operation, whether performed in -----**

- A. software
- B. hardware
- C. both a and b
- D. None of them

**Right answer is**

- C) both a and b

**36. We have seen that addition and subtraction can be performed on numbers in two's complement notation by treating them as**

- A. integers
- B. signed integers
- C. unsigned integers
- D. none of them

**Right answer is**

- C) unsigned integers

**37. The division is somewhat more ----- than multiplication**

- A. complex
- B. easy
- C. different
- D. harder

**Right answer is**

- A) complex

**38. The operation is specified by a binary code, known as the**

- A. operation code or opcode
- B. source operand reference
- C. result operand reference
- D. None of them

**Right answer is**

- A) operation code or opcode

**39. In most cases, the next instruction to be fetched immediately follows the**

- A. Back instruction
- B. current instruction
- C. next instruction
- D. none of them

**Right answer is**

- B) current instruction

**40. During instruction execution, an instruction is read into an ----- in the processor**

- A. Memory buffer register (MBR)
- B. Address register (AD)
- C. instruction register (IR)
- D. index register (IR)

**Right answer is**

- C) instruction register (IR)

**41. These operations are performed primarily on data in**

- A. Random access memory
- B. main memory
- C. processor registers
- D. none of them

**Right answer is**

- C) processor registers

**42. The various types of data upon which operations are performed is called**

- A. [Data types](#)
- B. Operation repertoire
- C. Instruction format
- D. None of them

**Right answer is**

- A) data type

**43. We have seen that addition and subtraction can be performed on numbers in twos complement notation by treating them as**

- A. integers
- B. signed integers
- C. unsigned integers
- D. none of them

**Right answer is**

- C) unsigned integers

**44. The division is somewhat more ----- than multiplication**

- A. complex
- B. easy
- C. different
- D. harder

**Right answer is**

- A) complex

**45. The most common addressing techniques**

- A. Stack
- B. Direct
- C. Indirect
- D. All of these

**Right answer is**

- D) All of these

**46. Different opcodes will use different**

- B. mode fields
- C. effective address
- D. none of them

**Right answer is**

- A) addressing modes

**47. The disadvantage of the immediate addressing is that the size of the number is restricted to the size of the**

- A. Modes
- B. Operand field
- C. address field
- D. registers

**Right answer is**

- C) address field

**48. The most common uses of displacement addressing**

- A. Relative addressing
- B. Base-register addressing
- C. Indexing
- D. All of these

**Right answer is**

- D) All of these

**49. For this addressing method, indexing is not used.**

- A. Offset
- B. Preindex
- C. Postindex
- D. None of them

**Right answer is**

- A) Offset

**50. The processor reads an instruction from memory (register, cache, main memory).**

- A. Fetch instruction
- B. Fetch data
- C. Process data
- D. Interpret instruction

**Right answer is**

- A) Fetch instruction

**51. ————— may be used only to hold data and cannot be employed in the calculation of an operand address.**



- A. Arithmetic register
- B. Data registers
- C. Index register
- D. None of them

**Right answer is**

- B) Data registers

**52. Condition code bits are collected into one or more-----**

- A. Registers
- B. Address
- C. Flags
- D. Codes

**Right answer is**

- A) registers

**53. Contains a word of data to be written to memory or the word most recently read is**

- A. Program counter
- B. Instruction register
- C. Memory address register
- D. Memory buffer register

**Right answer is**

- D) memory buffer register

**54. Interpret the opcode and perform the indicated operation.**

- A. Fetch
- B. Execute
- C. Interpret
- D. None of them

**Right answer is**

- B) Execute

**55. These determine the functions to be performed by the processor and its interaction with memory.**

- A. Operation Performed
- B. Operands used
- C. Execution sequencing
- D. None of them

**Right answer is**

- A) operation performed

**56. The use of a large set of registers should decrease the need to access**

- A. Operations
- B. Memory
- C. Register
- D. None of them

**Right answer is**

B) memory

**57. A ————— is defined to be the time it takes to fetch two operands from registers, perform an ALU operation, and store the result in a register.**

- A. Machine instruction
- B. Machine cycle
- C. Instruction register
- D. Register operation

**Right answer is**

B) Machine cycle

**58. The stages of the pipeline are an instruction———— and an ————— that executes the instruction**

- A. fetch
- B. execute/memory
- C. both a and b
- D. none of them

**Right answer is**

C) both a and b

**59. For many years, the general trend in computer architecture and organization has been toward increasing processor complexity**

- A. Instruction
- B. Addressing Modes
- C. Specialized registers
- D. All of these

**Right answer is**

D) All of these



## Microprocessor and computer architecture MCQs Quizlet

**By:** Prof. Fazal Rehman Shamil **Last Modified:** August 13, 2020

### Microprocessor and computer architecture MCQs Quizlet

1. A dedicated computer is a computer that is assigned with ...

- a) only one task at a time
- b) multiple task at a time
- c) used by multiple person
- d) none of these

☐ **Answer - Click Here:**

A

2. Interrupts initiated by I/O devices are basically

- a) external
- b) internal
- c) intrinsic
- d) none of these

☐ **Answer - Click Here:**

A

3. Which operations are performed by microprograms?

- a) read
- b) execute
- c) right
- d) read and execute

☐ **Answer - Click Here:**

D

4. Where the operand is placed in the immediate addressing?

- a) after OP code
- b) before OP code
- c) in CPU register
- d) none of these

☐ **Answer - Click Here:**

A

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5. Which computer program is used to convert whole program into the machine language at a time ?

- a) simulator
- b) compiler
- c) interpreter
- d) commander

☐ **Answer - Click Here:**

A

6. Which one of the operation is implemented by pipeline?

- a) fetch array
- b) code instruction
- c) execute instruction
- d) none of these

☐ **Answer - Click Here:**

C

7. SRAM's can be used as

- a) caches
- b) registers
- c) buffer
- d) TLB's

☐ **Answer - Click Here:**

A

8. Why we use higher order bits of addressess?

- a) specify table address
- b) specify row address
- c) specify column address
- d) none of these

☐ **Answer - Click Here:**

B

9. Multiplexed signals of the controller are splitted as ...

- a) RAS and CAS
- b) CAS and NAS
- c) MAS and PAS
- d) EAS and RAC



☐ [Answer - Click Here:](#)

A

10. A program is divided into parts for the ease of execution named as ...

- a) fragments
- b) segments
- c) pages
- d) sheets

☐ [Answer - Click Here:](#)

A

11. The binary address issued to the instructions and data is known as ...

- a) location address
- b) physical address
- c) logical address
- d) none of these

☐ [Answer - Click Here:](#)

C

12. MMU stands for

- a) Memory [Management](#) Unit
- b) Memory Model Unit
- c) Memory Manipulation Unit
- d) none of these

☐ [Answer - Click Here:](#)

A



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## DATABASE MULTIPLE CHOICE QUESTIONS – Solved

**By:** Prof. Fazal Rehman Shamil **Last Modified:** August 13, 2020

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### DATABASE MULTIPLE CHOICE QUESTIONS – Solved

#### 1. Default values in programming are

- a) global variables
- b) functions calls
- c) constants
- d) all of the above

☐ Answer - Click Here:

**D**

#### 2. We use return statement to return

- a) numeric value
- b) a value calling function
- c) single value
- d) none

☐ Answer - Click Here:

**B**

#### 3. Which statement is true about [inline functions](#)?

- a) it is not a user-defined function
- b) with this function , the size of program becomes small
- c) prototype is omitted
- d) none

☐ Answer - Click Here:

**C**

#### 4. The local variables are known as

- a) external variables
- b) static variables
- c) dynamic variables
- d) automatic variables

☐ Answer - Click Here:



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**5. When a program is terminated which variable is destroyed?**

- a) auto variables
- b) global variables
- c) register
- d) local variables

☐ [Answer - Click Here:](#)

**B**

**6. Data shared among the functions is done with the help of**

- a) register variable
- b) static variables
- c) local variables
- d) global variables

☐ [Answer - Click Here:](#)

**D**

**7. Which functions are the part of " math.h" file?**

- a) log
- b) log()
- c) tan
- d) tan(10)

☐ [Answer - Click Here:](#)

**B**

**8. Which one is not included in "conio.h" file?**

- a) kbhit(10)
- b) getche()
- c) gotoxy()
- d) none

☐ [Answer - Click Here:](#)

**A**

**9. Which function is used by the programmers to convert lowercase letters to uppercase letters?**

- a) isupper()
- b) toascii()
- c) tolower()

d) toupper()

☐ Answer - Click Here:

D

**10. The sequential search in C++ is called to be**

a) [binary search](#)

b) table search

c) [linear search](#)

d) none of these

☐ Answer - Click Here:

C

**11. An array has a starting address that is known as**

a) original address

b) base address

c) memory address

d) all of the above

☐ Answer - Click Here:

B

**12. Each index is ---, when the multidimensional array is being accessed**

a) separated by commas

b) surrounded by brackets

c) separated by colon

d) none

☐ Answer - Click Here:

B

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## Data Analysis And Design Multiple Choice Questions

**By:** Prof. Fazal Rehman Shamil **Last Modified:** August 13, 2020

### Data Analysis And Design Multiple Choice Questions

1. Heap is a ...

- a) binary tree
- b) ordinary tree
- c) complete binary tree
- d) none of these

☐ **Answer - Click Here:**

C

2. IPO stands for

- a) Input Processing Output
- b) Input Programming Option
- c) Input Program Ordinary
- d) none of these

☐ **Answer - Click Here:**

A

3. The time complexity of [binary search](#) is

- a)  $O(\log n)$
- b)  $O(n)$
- c)  $O(2 \log n)$
- d) none of these

☐ **Answer - Click Here:**

A

4. How many passes are required to sort a file of size  $n$  by using the [bubble sort](#) method?

- a)  $N/2$
- b)  $N-1$
- c)  $N-n$
- d)  $2N$

☐ **Answer - Click Here:**

B

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5. The running time for [insertion sort](#) is ...

- a)  $O(n^2)$
- b)  $O(\log n)$
- c)  $O(n)$
- d)  $O(2 \log n)$

☐ **Answer - Click Here:**

A

6. In stack, insertion operation is known as ...

- a) [push operation](#)
- b) insertion operation
- c) push operation
- d) none of these

☐ **Answer - Click Here:**

C

7. Which branch deal with the heuristic type of computer problems ?

- a) artificial intelligence
- b) [real time](#) software
- c) system software
- d) none of these

☐ **Answer - Click Here:**

A

8. Last step in the problem solving is ...

- a) evaluate the solution
- b) identify the problem
- c) understand the problem
- d) all of these

☐ **Answer - Click Here:**

A

9. Straight selection is a method of

- a) repeated searching
- b) repeated position adjustment
- c) repeated interchange
- d) all of these

B

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## Data basics MCQ's

**By:**Prof. Fazal Rehman Shamil **Last Modified:** August 31, 2020

### Data basics MCQ's

1. The file extension for database files is

- A. xls
- B. txt
- C. mpg
- D. mdb

☐ Answer - Click Here:

D

2. Which of the following is considered to be the object?

- A. Address
- B. Name
- C. Roll\_no
- D. All of these

☐ Answer - Click Here:

D

3. Which of the following is not the feature of DBMS?

- A. Query language
- B. Update
- C. Data dictionary
- D. Backup & recovery

☐ Answer - Click Here:

C

B

4. Synonym problem occurs in which file

- A. Indexed files
- B. Sequential files
- C. Random files
- D. All of these

☐ Answer - Click Here:

Search

## MCQS DATABASE SYSTEMS

- SET 1: Database MS
- SET 2: Database MS
- SET 4: Database MS
- SET 5: Database MS
- SET 6: Database MS
- SET 7: Database MS
- SET 8: Database MS
- SET 9: Database MS
- SET 10: Database MS
- SET 11: Database MS
- SET 12: Database MS
- SET 13: Database MS
- SET 14: Database MS
- SET 15: Database MS
- SET 16: Database MS
- SET 17: Database MS
- SET 18: Database MS
- SET 18: Database MS
- SET 19: Database MS
- SET 20: Database MS
- SET 21: Database MS
- SET 22: Database MS

**5. The name of person is used to represent**

- A. File
- B. Record
- C. Field
- D. None of these

☐ **Answer - Click Here:**

C

**6. Arranging data in proper order is ...**

- A. Classifying
- B. Data caputring
- C. Sorting
- D. Summarizing

☐ **Answer - Click Here:**

C

**7. Row of table represents ...**

- A. File
- B. Record
- C. Field
- D. Data

☐ **Answer - Click Here:**

B

**8. Processed form of data is ...**

- A. Object
- B. Raw data
- C. Information
- D. Article

☐ **Answer - Click Here:**

C

**9. Inverted tree is used in ...**

- A. [Hierarchical model](#)
- B. Relational model
- C. [Network model](#)



☐ Answer - Click Here:

A

**10. Computerized data keeping system is ...**

- A. Data system
- B. DBMS
- C. Database system
- D. None of these

☐ Answer - Click Here:

B & C

**11. Separation of data structure of database from application program is ...**

- A. [Data model](#)
- B. Data structure
- C. [Data independence](#)
- D. Data integrity

☐ Answer - Click Here:

A

**12. The lost data is recovered by ...**

- A. Data file
- B. Program files
- C. Backup files
- D. Master files

☐ Answer - Click Here:

C



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## MCQS Database Systems- for GAT Subject CS- Set 6

By:Prof. Fazal Rehman Shamil Last Modified: August 31, 2020

### Multiple Choice Questions

Set 6

1 .Which SQL statement is not used for Database updates.

- 1.INSERT      2. UPDATE   3. DELETE      4.SELECT

2.The\_\_\_\_\_ statement is the most important statement in the language and is used to express a query.

- 1.INSERT      2. UPDATE   3. DELETE      4.SELECT

3.There are \_\_\_\_\_ types of subquery.

- 1.ONE                      2. THREE      3.FIVE                      4.SEVEN

4. the columns of the result table come from more than one table, \_\_\_\_\_ must be used.

1. AND                      2. &&                      3. JOIN      4.NONE

5.DBMS based on \_\_\_\_\_ .

- 1.Data                      2.user                      3.SQL                      4. ALL

6.The SQL programming language was first developed in the \_\_\_\_\_ .

1. 1970   1975      3. 1980      4. 1982

7.The standard specifies \_\_\_\_\_different data types for data in an SQL database.

1. TWO                      2.FOUR                      3.SIX      4.EIGHT

8.Although SQL was originally an \_\_\_\_\_ concept.

- 1.HP                      2.DELL                      3.IBM                      4.NONE

9.A vertical bar ( | ) indicates a choice among \_\_\_\_\_ .

- 1.same                      2. Alternatives                      3.both

10.In practice, the DDL statements are used to create the database structure.

- 1.DML                      2.DDL                      3.SQL                      4.BNF

31.All non-numeric data values must be enclosed in \_\_\_\_\_.

1. Double quotes                      2. Single quotes      3.square brackets      4. curly braces

32.Which one is not an comparison operator for SQL.

Search

### MCQS DATABASE SYSTEMS

- SET 1: Database MS
- SET 2: Database MS
- SET 4: Database MS
- SET 5: Database MS
- SET 6: Database MS
- SET 7: Database MS
- SET 8: Database MS
- SET 9: Database MS
- SET 10: Database MS
- SET 11: Database MS
- SET 12: Database MS
- SET 13: Database MS
- SET 14: Database MS
- SET 15: Database MS
- SET 16: Database MS
- SET 17: Database MS
- SET 18: Database MS
- SET 18: Database MS
- SET 19: Database MS
- SET 20: Database MS
- SET 21: Database MS
- SET 22: Database MS

33.ANDs are evaluated before \_\_\_\_\_.

OR 2. NOT

3. BOTH a & b

4. NONE

34.An expression is evaluated\_\_\_\_\_ .

left to right 2. Right to left

3. Depend on operators used

35.Which clause must always be the last clause of the SELECT statement.

1.WHERE

2. ORDER BY

3. COUNT

4. GROUP BY



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# MCQS Database Systems- for admission in universities – Set 10

By:Prof. Fazal Rehman Shamil Last Modified: August 31, 2020

## MCQS Database Systems- for admission in universities – Set 10

### Multiple Choice Questions

Set 10

If we require a large number of similar changes, we can save time by using an \_\_\_\_\_.

- Action query
- update query
- delete query

☐ Answer - Click Here:

1

There are \_\_\_\_\_ types of action query.

- 1.one
- 2. Three
- 3.Four

☐ Answer - Click Here:

3

The \_\_\_\_\_creates a new table from all or part of the data in one or more tables.

- make-table
- action query
- Append query
- cross-table query

☐ Answer - Click Here:

4

The \_\_\_\_\_deletes a group of records from one table

- Delete query
- delete action query
- action query

☐ Answer - Click Here:

1

Search

### MCQS DATABASE SYSTEMS

- SET 1: Database MS
- SET 2: Database MS
- SET 4: Database MS
- SET 5: Database MS
- SET 6: Database MS
- SET 7: Database MS
- SET 8: Database MS
- SET 9: Database MS
- SET 10: Database MS
- SET 11: Database MS
- SET 12: Database MS
- SET 13: Database MS
- SET 14: Database MS
- SET 15: Database MS
- SET 16: Database MS
- SET 17: Database MS
- SET 18: Database MS
- SET 18: Database MS
- SET 19: Database MS
- SET 20: Database MS
- SET 21: Database MS
- SET 22: Database MS

An \_\_\_\_\_ makes global changes to a group of records in one or more tables.

Make-table action query

action query

update action query

☐ Answer - Click Here:

3

We use an \_\_\_\_\_ to [insert records](#) from one or more source tables into a single target table.

append action query

update action query

3.action query

☐ Answer - Click Here:

2

The \_\_\_\_\_ can be used to find records in one table that do not have related records in another table.

1, Find Unmatched Query Wizard

2. Action query

3. Update query

☐ Answer - Click Here:

1

The \_\_\_\_\_ can be used to determine if there are duplicate records in a table or determine which records in a table share the same value.

Find Duplicates Query Wizard

Matched query

Action query

☐ Answer - Click Here:

1



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## Important MCQs of Data Base Normalization

**By:**Prof. Fazal Rehman Shamil **Last Modified:** August 31, 2020

### Important MCQs of Data Base Normalization

“Important MCQs of Data Base Normalization ” is the set of frequently asked Multiple Choice questions and these MCQs are asked in different test in the past in different test. Here, we are presenting those MCQs in a different style. Let’s begin with Set 1.

#### Set 1: DataBase Normalization – FAQ MCQs by GRE

1. In which form of function there is no partial functional dependencies.

- A.BCNF
- B.2NF
- C.3NF
- D.4NF
- E.none of these

☐ Answer - Click Here:

B

2. which of the following is designed to cope with 4NF.

- A.multi value dependency
- B.join dependency
- C.Transitive dependency
- D. none of these
- E. all of the above

☐ Answer - Click Here:

A

3. which of the following is designed to cope with 5NF.

- A.multi value dependency
- B.join dependency
- C.Transitive dependency
- D. none of these
- E. all of the above

☐ Answer - Click Here:

B

4. [Define the function of BCNF ?](#)

- A.dependency preserving and lossless join
- B.not dependency and lossless join
- C.dependency preserving and not lossless join
- D.none of these
- E.all of above

☐ Answer - Click Here:

B

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- Core Multiple Choice Questions of Software Engineering
- Multiple Choice Questions (MCQs) of data and databases
- MCQs Elective Courses Computer Science
- Computer Science MCQs Homepage
- Microsoft MS Word MCQs
- Introduction to Computing MCQs
- Operating Systems
- Networks MCQs
- Digital Logic Design MCQs
- Artificial Intelligence MCQs
- Compiler Construction MCQs
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- MIS MCQs
- Graphic Design MCOs
- Series and Parallel MCQs

5. In which normal form Boyce-codd can operate?

- A.first normal form
- B.second normal form
- C.third normal form
- D.all of above
- E.none of these

☐ **Answer - Click Here:**

D

## Set 2: Data Base Normalization – FAQ MCQs by GAT Subject Test

6.In which normal form conversion of composite attribute to individual attribute happens,

- A.first
- B.second
- C.third
- D.four
- E.none of these

☐ **Answer - Click Here:**

A

7.In which key a table on the many sides of a one to many or many to many relationship must be in.

- A.2NF
- B.3NF
- C.composite key
- D.5NF
- E.none of these

☐ **Answer - Click Here:**

C

8. Defines the functions of tables in 2NF ?

- A.BCNF
- B.hidden dependencies eliminated
- C.eliminating insertion anomalies
- D.have a [composite key](#)
- E.none of these

☐ **Answer - Click Here:**

B

9. which one is false about normal form?

- A. BCNF is stricter than 5 NF
- B. dependency preserving decomposition into 3 NF is always possible-Lossless
- C. preserving decomposition into BCNF is always possible-Loss less
- D. Any relation with two attributes is BCNF
- F. None of these

☐ **Answer - Click Here:**

C

MCQs

Arrays MCQs Questions  
Answers – C++

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Pointers Solved MCQs  
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Stacks Solved MCQs Questions  
Answers

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Integrity constraints MCQ  
Answers

Database functions and  
procedure MCQs Answers

C++ STANDARD LIBRARY  
MCQs Questions Answers

Storage area network MCQs  
Questions Answers

PHP MyAdmin MCQs Questions  
Answers

Oracle MCQ's Questions  
Answers

WIFI MCQs

10. constraints of functional dependencies are based on.

- A. key
- B. revisited key
- C. superset key
- D. none of these
- E. all of the above

☐ **Answer - Click Here:**

A

### Set 3: Data Normalization – FAQ MCQs by NTS Test

11. which foam defines the minimal data aggregates and repetitive groups.

- A. 1NF
- B. 2NF
- C. 3NF
- D. 4NF
- E. 5NF

☐ **Answer - Click Here:**

C

12. which foam posses data about an individual entity.

- A. 1NF
- B. 2NF
- C. 3NF
- D. 4NF
- E. 5NF

☐ **Answer - Click Here:**

D

13.functional dependency is based on which foam?

- A. 1NF
- B. 2NF
- C. 3NF
- D. 4NF
- E. 5NF

☐ **Answer - Click Here:**

C

14.\_\_\_\_\_ and all tables in the database should be only one primary key.

- A.2NF
- B.3NF
- C.key
- D.primary key
- F.composite key

☐ **Answer - Click Here:**

B

- A. 2NF
- B. transitive dependencies
- C. join dependencies
- D. multi-valued dependencies
- E. none of these

☐ **Answer - Click Here:**

D

## Set 4: Data Normalization – FAQ MCQs by NTS Test

16. composite key dont have any \_\_\_\_\_

- A. join dependencies
- B. transitive dependencies
- C. multi-valued dependencies
- D. cyclic dependencies
- E. none of these

☐ **Answer - Click Here:**

D

17. normalization is used to design \_\_\_\_\_

- A. join dependencies
- B. relational database
- C. multi-valued dependencies
- D. cyclic dependencies
- E. none of these

☐ **Answer - Click Here:**

B

18. in which normal form value in each column is atomic .

- A. 1NF
- B. 2NF
- C. 3NF
- D. 4NF
- E. 5NF

☐ **Answer - Click Here:**

A

19 \_\_\_\_\_ is used to eliminate the drawback in the latest [design of database](#)

- A. BCNF
- B. 2NF
- C. normal form
- D. none of these
- E. both a&b

☐ **Answer - Click Here:**

C

20. if the candidate key is determined then the table is in which form.

- A.2NF
- B.3NF
- C.BCNF
- D.4NF
- E.none of these

☐ Answer - Click Here:

C



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## Database MCQ's

**By:**Prof. Fazal Rehman Shamil **Last Modified:** August 31, 2020

### Database MCQ's

#### 1. Table with similar records is

- A. Record
- B. Field
- C. File
- D. None

☐ **Answer - Click Here:**

C

#### 2. SQL is a

- A. Software
- B. Structured language
- C. Unstructured language
- D. Object oriented language

☐ **Answer - Click Here:**

B

#### 3. Retrival and storage of data is

- A. Managing output
- B. Data manipulation
- C. Data capturing
- D. All of these

☐ **Answer - Click Here:**

A

#### 4. Process of merging relations is ...

- A. View relations
- B. View [data models](#)
- C. View integration
- D. None of these

☐ **Answer - Click Here:**

C

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## MCQS

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5. In E-R diagram, an oval is for

- A. Relationship
- B. Entity
- C. Attribute
- D. Process

☐ Answer - Click Here:

A

6. Example of [one-to-many relationship](#) in E-R diagram

- A. Father-son
- B. Teacher-student
- C. Country-capital
- D. Mother-daughter

☐ Answer - Click Here:

A & D

7. We can create an index on

- A. [Foreign key](#)
- B. Secondary key
- C. Primary key
- D. All of above

☐ Answer - Click Here:

D

8. The relationship between data objects is ...

- A. Data table
- B. [Data flow Diagram](#)
- C. Data modelling
- D. None of these

☐ Answer - Click Here:

C

9. We can represent optional relationship by

- A. 0
- B. />
- C. </
- D. ^

A

### 10. Modality is also related to ...

- A. Mandatory
- B. Cardinality
- C. Optional
- D. Logical

☐ Answer - Click Here:

B &C

### 11. Basic data distribution strategy is ...

- A. Replicated
- B. Centralized
- C. Partitioned
- D. All of the above

☐ Answer - Click Here:

D

### 12. Physically arranging records on secondary storage devices of a file is ...

- A. File organization
- B. [Integrity constraints](#)
- C. Indexes
- D. Data distribution strategy

☐ Answer - Click Here:

A



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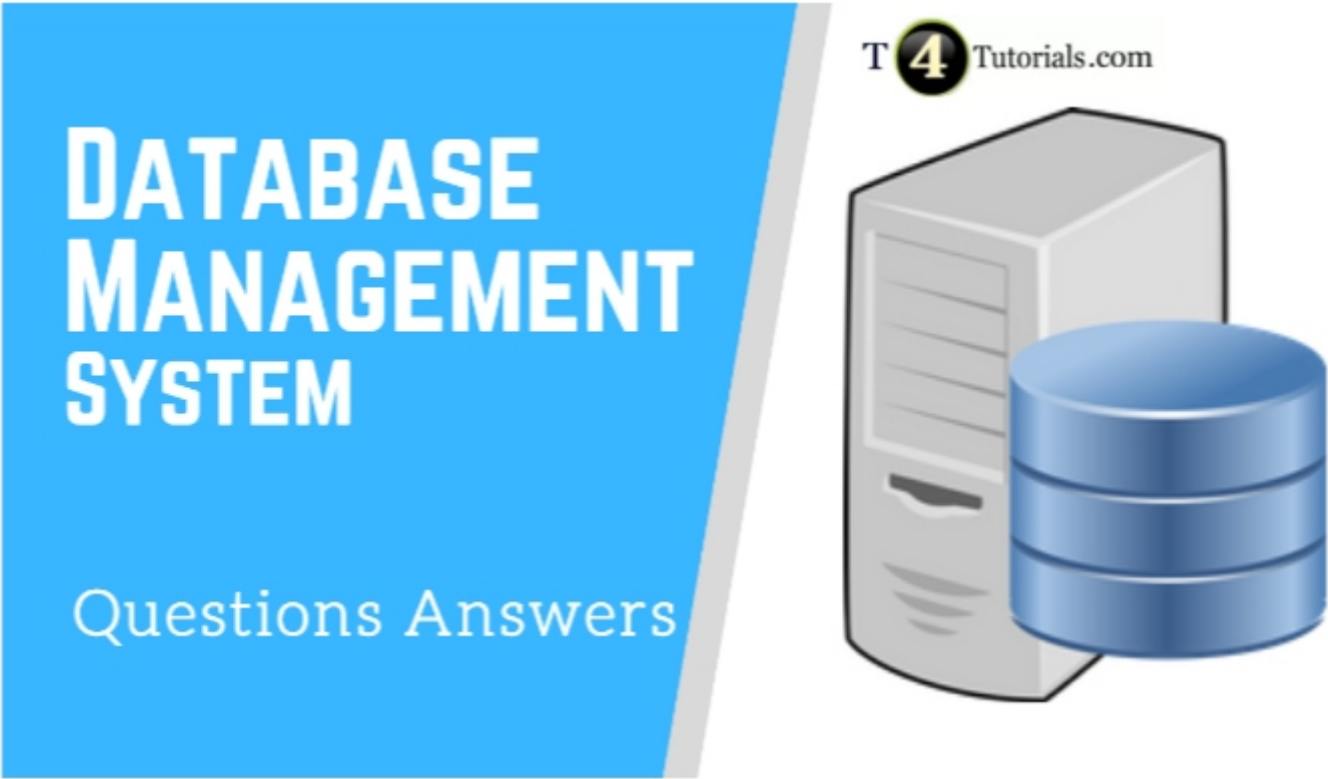
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## database management system questions answers

By:Prof. Fazal Rehman Shamil Last Modified: August 31, 2020

Here, i am sharing with you some important [Database Management System](#) MCQ's type questions answers.



1) DCL stands for

- Data Control Language
- Data Console Language
- Data Control Level
- Data Console Level

☐ Answer - Click Here:

1

2) A ..... is used to define overall [design of the database](#)

- Schema
- Application program
- Data definition language
- None of the above

☐ Answer - Click Here:

1

3) ..... database is used as template for all databases created.

- Master
- Model
- Temp DB
- None of the above

☐ Answer - Click Here:

1

Search

### MCQS DATABASE SYSTEMS

- SET 1: Database MS
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- SET 7: Database MS
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- SET 11: Database MS
- SET 12: Database MS
- SET 13: Database MS
- SET 14: Database MS
- SET 15: Database MS
- SET 16: Database MS
- SET 17: Database MS
- SET 18: Database MS
- SET 18: Database MS
- SET 19: Database MS
- SET 20: Database MS
- SET 21: Database MS
- SET 22: Database MS

- Create
- Drop
- Alter
- All of the above

☐ Answer - Click Here:

4

5) The database environment has all of the following components except.

- Users
- Database
- Database Administration
- Separate files

☐ Answer - Click Here:

1

6) Related fields in a database are grouped to form a

- Data file
- Data record
- Menu
- None of the above

☐ Answer - Click Here:

2

7) The way a particular application views the data from the database that the application uses is

- Module
- Relational model
- Schema
- Sub Schema

☐ Answer - Click Here:

4

8) A shared collection of logically related data.

- Data Base
- Mark Sheet
- Result
- Record

☐ Answer - Click Here:

4

9) The Description of the Data is known as.

- System Catalog



File  
Dictionary  
Tech

☐ [Answer - Click Here:](#)

1

**10) A software system that enables users to define, create, maintain, and control Access to the database.**

Database Management System  
Data Management  
Filing system  
Record

☐ [Answer - Click Here:](#)

1

11. Which of the following is a physical storage media?

- a) Tape Storage
- b) Optical Storage
- c) a and b
- d) RAM

☐ [Answer - Click Here:](#)

C

12. The time for repositioning the arm is called \_\_\_\_ and it increases with the distance that the arm must move.

- a) Access time
- b) Seek time
- c) Average seek time
- d) Burst time

☐ [Answer - Click Here:](#)

B

13. In Flash memory, the erase operation can be performed on a number of pages, called an \_\_\_\_\_ at once, and takes about 1 to 2 milliseconds.

- a) Delete block
- b) Read block
- c) Flash block
- d) Erase block

☐ [Answer - Click Here:](#)

D

14. A major goal of the database system is to minimize the number of block transfers between the disk and memory. This can be achieved by which of the followings;

- a) Secondary storage
- b) Catalog
- c) Storage
- d) Buffer

☐ [Answer - Click Here:](#)

15. Which of the following is the smallest unit of allocation in an Oracle database?

- a) Database
- b) Database Block
- c) Tablespace
- d) Instance

☐ **Answer - Click Here:**

B

16. The time factor when determining the efficiency of an algorithm is measured by

- a) Counting microseconds
- b) Counting the number of statements
- c) Counting the number of key operations
- d) Counting the kilobytes of algorithm

☐ **Answer - Click Here:**

C

17. Which of the following fixed [database roles](#) can add or remove user IDs?

- a) db\_setupadmin
- b) db\_securityadmin
- c) db\_accessadmin
- d) db\_sysadmin

☐ **Answer - Click Here:**

C



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## MCQS Database Systems- for admission in computer science – Set 7

By:Prof. Fazal Rehman Shamil Last Modified: August 31, 2020

## MCQS Database Systems- for admission in computer science – Set 7

### Multiple Choice Questions

Set 7

Which was the first commercial DBMS that support SQL\_\_\_\_\_

- ORACLE
- XAmpp
- Maya
- MS office

☐ Answer - Click Here:

1

When concepts of relational database technology were articulated\_\_\_\_\_

- 1980
- 1970
- 1998
- 1965

☐ Answer - Click Here:

2

Which command are consider core command of sql

- Data manipulation language
- Data definition language
- Data reduce language
- Data control language

☐ Answer - Click Here:

1

Which key is must to generate in each table\_\_\_\_\_

[Primary key](#)

- Candidate key
- Foreign key
- Select key

☐ Answer - Click Here:

1

Which will be best [query for deleting](#) row from the table\_\_\_\_\_

DELETE FROM TABLE NAME WHERE CUSTOMER STATE " "

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### MCQS DATABASE SYSTEMS

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- SET 17: Database MS
- SET 18: Database MS
- SET 18: Database MS
- SET 19: Database MS
- SET 20: Database MS
- SET 21: Database MS
- SET 22: Database MS

```
DELETE FROM TABLE _NAME WHERE CUSTOMER-STATE=" ";  
DELETE WHERE CUSTOMER-STATE=" ";  
DELETE TABLE _NAME WHERE CUSTOMER-STATE=" ";  
DELETE FROM CUSTOMER WHERE CUSTOMER=" ";
```

☐ **Answer - Click Here:**

4

**Which will be three clauses to retrieval statement\_\_\_\_\_**

Select, from, where  
Select, delete, where  
Select, insert, where  
Select, update, where

☐ **Answer - Click Here:**

1

**In SELECT query we used \* sign what is the purpose of this sign\_\_\_\_\_**

To indicate all columns  
To indicate all rows  
To indicate single row  
To indicate single column.

☐ **Answer - Click Here:**

2



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## MCQS Database Systems- for computer science – Set 12

By:Prof. Fazal Rehman Shamil Last Modified: August 31, 2020

## MCQS Database Systems- for computer science – Set 12

### Multiple Choice Questions

Set 12

1. A language that provides a set of operations to support the basic data manipulation operations on the data held in the database is known as.

- a) DML      b) DLD
- c)DLL        d) DDL

Answer - Click Here:

A

2. Data manipulation operations includes the following operations:

- a) modification of data stored in the database      b) insertion of new data into the database
- c) deletion of data from the database                      d) All mentioned

Answer - Click Here:

D

3. Allows any user to inform the system that what data is actually needed and to tell that how to retrieve the data is ...?

- a) Procedural DML                      b) Non-procedural DML
- c) Simple DML                          d) DDL

Answer - Click Here:

A

4. Allows the user to state that what data is needed rather than how it is to be retrieved is...

- a) Procedural DML                      b) Non-procedural DML
- c) Simple DML                          d) DDL

Answer - Click Here:

B

5. Which one is generation language from 4GL<sub>s</sub>.

- a) Form generators                      b) Report generators
- c) Graphics generators      d) All mentioned

Answer - Click Here:

Search

### MCQS DATABASE SYSTEMS

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- SET 16: Database MS
- SET 17: Database MS
- SET 18: Database MS
- SET 18: Database MS
- SET 19: Database MS
- SET 20: Database MS
- SET 21: Database MS
- SET 22: Database MS



D

### 6. The definition of [Data Model](#) is...

- a) Represent the conceptual schema that can be understood by the DBMS.
- b) Consisting of a set of rules for database construction.
- c) Data model constraints, which ensures that the data is accurate
- d) Concepts for describing and manipulating the data, relationships and constraints of data.

☐ Answer - Click Here:

D

### 7. The relational data model is based on the concept of...

- a) Numerical relation      b) Physical relation
- c) mathematical relations      d) computational relation

☐ Answer - Click Here:

C

### 8. This module converts DML statements embedded in an application program into standard function calls in the host language is...

- a) DML preprocessor      b) DDL compile
- c) Catalog manager      d) Command processor

☐ Answer - Click Here:

A

### 9. There is a famous [-Tier Client-Server Architecture](#)

- a)1      b)2
- c)3      d)4

☐ Answer - Click Here:

C



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Discrete Mathematics Solved MCQs

By:Prof. Fazal Rehman Shamil Last Modified: April 19, 2020

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Discrete Mathematics Solved MCQs

1. The function  $q \vee r$  is equal to the function:

- A.  $((p \vee r) \vee q) \wedge (p \vee r)$
- B.  $(p \wedge q) \vee (p \wedge r)$
- C.  $(p \vee q) \wedge \sim(p \vee r)$
- D.  $(p \vee (r \vee q)) \wedge \sim(\sim q \wedge \sim r)$

☐ Answer - Click Here:

D

2. The truth table for  $(p \vee q) \vee (p \wedge r)$  is the same as the truth table for:

- A.  $p \vee q$
- B.  $(p \vee q) \wedge r$
- C.  $(p \vee q) \wedge (p \wedge r)$
- D.  $(p \vee q) \wedge (p \vee r)$

☐ Answer - Click Here:

A

3. How many have all the vowels together in word MISAPPREHENSION:

- A.  $15!/2!2!2!2!2!$
- B.  $10!/2!2!2! \times 6!/2!2!$
- C.  $13!/2!2!2!2!$
- D. None of the above

☐ Answer - Click Here:

B

4. The Boolean function  $[\sim(\sim p \wedge q) \wedge \sim(\sim p \wedge \sim q)] \vee (p \wedge r)$  is equal to the Boolean function:

- A.  $q$
- B.  $p \wedge r$
- C.  $p$
- D. None of the above

☐ Answer - Click Here:

C

5. In how many ways can a hungry student choose 3 toppings for his prize from a list of 10 delicious possibilities?

- A. 123
- B. 220
- C. 130
- D. 120

☐ Answer - Click Here:

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- Philosophy Of Science

**6. Which of the following statements is FALSE:**

- A.  $(P \wedge Q) \vee (\sim P \wedge Q) \vee (P \wedge \sim Q)$  is equal to  $\sim Q \wedge \sim P$
- B.  $(P \wedge Q) \vee (\sim P \wedge Q) \vee (P \wedge \sim Q)$  is equal to  $Q \vee P$
- C.  $(P \wedge Q) \vee (\sim P \wedge Q) \vee (P \wedge \sim Q)$  is equal to  $Q \vee (P \wedge \sim Q)$
- D.  $(P \wedge Q) \vee (\sim P \wedge Q) \vee (P \wedge \sim Q)$  is equal to  $[(P \vee \sim P) \wedge Q] \vee (P \wedge \sim Q)$

☐ Answer - Click Here:

**A**

**7. In any, undirected graph the sum of degrees of all the nodes**

- A. Must be even
- B. Are twice the number of edges
- C. Must be odd
- D. Need not be even

☐ Answer - Click Here:

**B**

**8. The walk of a graph length is:**

- A. The number of vertices in walk W
- B. Total number of vertices in a graph
- C. Total number of edges in a graph
- D. The number of edges in walk W

☐ Answer - Click Here:

**D**

**9. Definition of a plane graph is:**

- A. A graph, drawn in a plane in such a way that any pair of edges meet only at their end vertices
- B. A graph, drawn in a plane in such a way that if the vertex set of the graph can be partitioned into two non – empty disjoint subset X and Y in such a way that each edge of G has one end in X and one end in Y
- C. A simple graph which is Isomorphic to Hamiltonian graph
- D. None of the above

☐ Answer - Click Here:

**A**

**10. A continuous non-intersecting curve in the plane whose origin and terminus coincide :**

- A. Jordan
- B. Planer
- C. Hamiltonian
- D. All of these

☐ Answer - Click Here:

**A**

**11. V is an isolated vertex in a graph, then the degree of v is:**

- A. 2
- B. 1
- C. 0
- D. 3

☐ Answer - Click Here:

C

12. Hasse diagrams are drawn

- A. Partially ordered sets
- B. Lattices
- C. [Boolean algebra](#)
- D. None of these

☐ Answer - Click Here:

A

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# Discrete Mathematics MCQs for Computer Science Students

By:Prof. Fazal Rehman Shamil Last Modified: April 19, 2020

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## Discrete Mathematics MCQs for Computer Science Students

1. If g and f are two one-to-one functions, then their composition of fog is:

- A. Onto
- B. One to one function
- C. Bijective
- D. None of these

Answer - Click Here:

B

2. If 1=1 then 2=3, the conditional statement is:

- A. False
- B. True
- C. Biconditional
- D. None of the above

Answer - Click Here:

A

3. Which of the following pair is not congruent modulo 7?

- A. 10,32
- B. -21,23
- C. 25,56
- D. None of the above

Answer - Click Here:

C

4. Let A = {1, 2, 3} and R = {(1, 3), (2, 2), (3, 1)} be a relation on A. Is R:

- A. Transitive
- B. Reflexive
- C. Transitive and Reflexive
- D. Symmetric

Answer - Click Here:

D

5. Which one of the following statements is correct?

- A. Cyclometric complexity for a flow graph G is  $V(G) = P + 1$ , where P is the number of predicate nodes contained in the flow graph G.
- B. Cyclometric complexity for a flow graph G is  $V(G) = N - E + 2$ , where E is the number of edges and N is the number of nodes in the flow graph.
- C. The number of regions is not corresponds to the cyclomatic complexity
- D. None of the above

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- Philosophy Of Science

☐ [Answer - Click Here:](#)

225 of 464

**A**

**6. In Boolean addition  $1+1=$ :**

- A. 2
- B. 1
- C. 0
- D. None of the above

☐ [Answer - Click Here:](#)

**B**

**7. The simple graph with  $n$  vertices the maximum degree is:**

- A.  $n+1$
- B.  $2n-1$
- C.  $n$
- D.  $n-1$

☐ [Answer - Click Here:](#)

**D**

**8. The sequence of 4,1,-2,... is -77 is:**

- A. 29
- B. 26
- C. 28
- D. none of the above

☐ [Answer - Click Here:](#)

**B**

**9. How many vertices of circle has:**

- A. only 1
- B. 8 vertices
- C. No vertices
- D. none of the above

☐ [Answer - Click Here:](#)

**C**

**10.  $g(x) = 3x+2$  then  $gog(x)$  :**

- A.  $6x+4$
- B.  $9x+8$
- C.  $3x-2$
- D. None of the above

☐ [Answer - Click Here:](#)

**B**

**11. A graph is tree if and only if :**

- A. Is planar
- B. Contains a circuit
- C. Is minimally
- D. Is completely connected

☐ [Answer - Click Here:](#)

12. The number of distinguishable permutations of the letters in the word **BANANA** are:

- A. 60
- B. 36
- C. 20
- D. 10

☐ Answer - Click Here:

**A**

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# Discrete Mathematics MCQs for Software Engineering Students

By:Prof. Fazal Rehman Shamil    Last Modified: July 30, 2019

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## Discrete Mathematics MCQs for Software Engineering Students

1. The statement  $\neg(\neg q)=q$  Describes:

- A. Double negative law
- B. Commutative laws
- C. implication Laws
- D. None of the above

☐ Answer - Click Here:

A

2. A graph G is called a ..... if it is a connected acyclic graph:

- A. Cyclic graph
- B. Tree
- C. Regular graph
- D. Not graph

☐ Answer - Click Here:

B

3. An argument is \_\_\_\_\_ if the conclusion is not true when all the premises are true:

- A. invalid
- B. False
- C. valid
- D. None of the above

☐ Answer - Click Here:

A

4. The relation  $\{ (1,2), (1,3), (3,1), (1,1), (3,3), (3,2), (1,4), (4,2), (3,4) \}$  is:

- A. Reflexive
- B. symmetric
- C. Transitive
- D. None of the above

☐ Answer - Click Here:

C

5.  $A \cap (B \cup C) = (A \cap B) \cup (A \cap C)$  is called:

- A. Distributivity of intersection over union
- B. Distributivity of union over intersection
- C. None of these
- D. Distributivity Law

☐ Answer - Click Here:

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**6. Letters of CHORD taken all at a time can be written in:**

- A. 500
- B. 120
- C. 122
- D. 135

☐ [Answer - Click Here:](#)

**B**

**7. If  $f(x)=3x+1$  then its inverse is:**

- A.  $x-1$
- B.  $x +2$
- C.  $1/3(x-1)$
- D. None of the above

☐ [Answer - Click Here:](#)

**C**

**8. The number of colours required to properly colour the vertices of every planer graph is:**

- A.2
- B.3
- C.4
- D.5

☐ [Answer - Click Here:](#)

**D**

**9. A number of elements in a set is called:**

- A. Finite
- B. Cardinality
- C. Strength
- D. None of the above

☐ [Answer - Click Here:](#)

**B**

**10. A partial ordered relation is transitive,Antisymmetric and :**

- A. reflexive
- B. bisymmetric
- C. anti reflexive
- D. none of the above

☐ [Answer - Click Here:](#)

**A**

**11. Which of the given statement is correct?**

- A. Functions cannot be defined recursively
- B. Sets cannot be defined recursively
- C. A recursive definition has one part: Base
- D. The process of defining an object in terms of smaller versions of itself is called recursion

☐ [Answer - Click Here:](#)



**12. The empty graph is also known as:**

- A. Trivial graph
- B. bipartite graph
- C. regular graph
- D. none of the above

☐ Answer - Click Here:

**A**

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**B**

**6. The converse of the [conditional statement](#)  $q \rightarrow p$  is:**

- A.  $p \rightarrow q$
- B.  $p \rightarrow \neg q$
- C.  $\neg p \rightarrow q$
- D. None of the above

☐ Answer - Click Here:**A**

**7. Letters of SAP taken all at a time can be written in:**

- A. 2 ways
- B. 6 ways
- C. 24 ways
- D. 120 ways

☐ Answer - Click Here:**B**

**8. Contra-positive of the given statement "If two angles are congruent, then they have the same measure" is:**

- A. If two angles are congruent, then they have not the same measure
- B. If two angles are not congruent, then they have the same measure
- C. If two angles do not have the same measure, then they are not congruent
- D. None of these

☐ Answer - Click Here:**C**

**9. A student has a maximum of 720 words from a combination of letters of a word given word is:**

- A. CANADA
- B. ENGLAND
- C. WASHINGTON
- D. None the above

☐ Answer - Click Here:**A**

**10. The statement "It is not raining if and only if roads are dry" is logically equivalent to:**

- A. If roads are dry then it is not raining
- B. If it is not raining then roads are dry
- C. Roads are dry if and only if it is not raining
- D. none of these

☐ Answer - Click Here:**C**

**11. The inverse of this statement If p, then q is:**

- A. If not p, then not q
- B. if p, then not q
- C. if not p, then q
- D. none of the above

☐ Answer - Click Here:

A

**12. A converse of this statement If p, then q is:**

- A. if not q, then not p
- B. if not q, then p
- C. If q, then p
- D. None of these

☐ Answer - Click Here:

C

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## Discrete Mathematics MCQs

By:Prof. Fazal Rehman Shamil Last Modified: April 19, 2020

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### Discrete Mathematics MCQs

1. How many bytes are required to encode 2000 bits of data:

- A. 2
- B. 1
- C. 3
- D. 10

☐ Answer - Click Here:

A

2. A collection of graph is:

- A. row and coloumn
- B. Equation
- C. vertices and columns
- D. None of above

☐ Answer - Click Here:

C

3. The number of edges in a complete graph with 'n' vertices is equal to:

- A. 2n-1
- B. n(n-1)
- C. n^2
- D. n(n-1)/2

☐ Answer - Click Here:

D

4. Error correcting code is a \_\_\_\_\_:

- A. hamming code
- B. gray code
- C. error deducting code
- D. none of above

☐ Answer - Click Here:

A

5. The symbol II is ASCII stands for:

- A. international information
- B. information interchange
- C. American Standard Code for Information Interchange
- D. none of above

☐ Answer - Click Here:

C

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### MCQS

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- A.  $[0, \infty)$
- B.  $(2, \infty)$
- C.  $(-\infty, 1)$
- D. none of above

☐ Answer - Click Here:

A

7. ordered collection of objects is:

- A. Relation
- B. set
- C. proposition
- D. Function

☐ Answer - Click Here:

B

8. A function is a Domain of:

- A. it is set of natural numbers for which a function is defined
- B. the maximal set of numbers for which a function is defined
- C. the maximal set of numbers which a function can take values
- D. none of above

☐ Answer - Click Here:

B

9. Range of a function is :

- A. the maximal set of numbers for which a function is defined
- B. the maximal set of numbers which a function can take values
- C. it is set of natural numbers for which a function is defined
- D. none of above

☐ Answer - Click Here:

B

10. In an undirected graph the number of nodes with odd degree must be:

- A. odd
- B. prime
- C. even
- D. zero

☐ Answer - Click Here:

C

11. What is the cardinality of the set of [odd positive integers](#) less than 10?

- A. 5
- B. 10
- C. 3
- D. 20

☐ Answer - Click Here:

A

12. The Gray code of a number whose binary representation is 1000 is:

- A. 0100

- B. 1100  
C. 0111  
D. 0110

☐ Answer - Click Here:

**B**

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# BASIC Electronics MCQ's

By:Prof. Fazal Rehman Shamil Last Modified: April 19, 2020

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## BASIC Electronics MCQ's

### 1. How many pn junctions are in SCR?

- a) one
- b) two
- c) three
- d) four

☐ Answer - Click Here:

C

### 2. Electrolytic capacitors are of ——— capacitance

- a) low
- b) high
- c) constant
- d) all of these

☐ Answer - Click Here:

B

### 3. In a capacitor, when the plate area is increased, then capacitance will ...

- a) increases
- b) decreases
- c) unaffected
- d) none of these

☐ Answer - Click Here:

A

### 4. SCR is made up of ...

- a) carbon
- b) germanium
- c) silicon
- d) magnesium

☐ Answer - Click Here:

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**5. Which capacitors can be polarized?**

- a) ceramic
- b) electrolytic
- c) mica
- d) plastic

☐ [Answer - Click Here:](#)

**B**

**6. In zener diode the regulator is kept**

- a) double bias
- b) forward bias
- c) reverse bias
- d) none of these

☐ [Answer - Click Here:](#)

**C**

**7. The [logic gate](#) whose output is complement of it's input**

- a) INVERTER gate
- b) NOR gate
- c) NAND gate
- d) all of these

☐ [Answer - Click Here:](#)

**A**

**8. In amplifier's, the differential gain is ...**

- a) moderate
- b) very low
- c) very high
- d) none of these

☐ [Answer - Click Here:](#)

**C**

**9. In amplifier's , which feedback is implemented?**

- a) positive feedback
- b) negative feedback

d) none of these

☐ Answer - Click Here:

**B**

#### 10. Series combination of resistors is ...

a) it's equivalent resistance is equal of individual resistance

b) it's equivalent resistance is equal to sum of combined resistance

c) it's equivalent resistance is equal to sum of individual resistance

d) none of these

☐ Answer - Click Here:

**C**

#### 11. The resistivity of a wire depends on ...

a) length

b) diameter

c) material

d) all of these

☐ Answer - Click Here:

**C**

#### 12. Ohm's law can not be applied on ...

a) insulators

b) conductors

c) semi-conductors

d) small resistors

☐ Answer - Click Here:

**C**

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# BASIC ELECTRONICS Solved MCQs

By:Prof. Fazal Rehman Shamil Last Modified: April 19, 2020

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## BASIC ELECTRONICS Solved MCQs

1. A logic circuit, that can add two 1-bit numbers and produce outputs for sum and carry

- a) full adder
- b) semi adder
- c) half adder
- d) double adder

Answer - Click Here:

C

2. An ordinary transistor is

- a) dipolar
- b) tripolar
- c) bipolar
- d) tetra polar

Answer - Click Here:

C

3. What does hybrid word means?

- a) unique
- b) single
- c) dual
- d) none of these

Answer - Click Here:

C

4. When the current in primary coil of a transformer is changed it induce change in the magnetic field of

- a) capaitor
- b) transistor
- c) resistor
- d) secondary coil

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☐ [Answer - Click Here:](#)

241 of 464

D

5. We use half wave rectifier for

- a) to run AC care
- b) to run car radios
- c) to run batteries
- d) to run tape recorders

☐ [Answer - Click Here:](#)

A

6. Zener diode is ...

- a) current stabiliser
- b) voltage stabiliser
- c) resistance stabiliser
- d) none of these

☐ [Answer - Click Here:](#)

B

7. We can construct exclusive -OR gate using which other gates?

- a) AND, NOT and OR gate only
- b) AND and NAND gate only
- c) OR gate only
- d) all of these

☐ [Answer - Click Here:](#)

A

8. Unit of resistance is ...

- a) ampere
- b) ohm
- c) emf
- d) none of these

☐ [Answer - Click Here:](#)

B

9. Transistor amplifier equation is  $V_{CE} = V_{CB} + \dots\dots\dots$

- a)  $5V_{BE}$
- b)  $3V_{EB}$

d) none of these

☐ **Answer - Click Here:**

C

10. In a reverse biased junction, its barrier potential will be

a) decreased

b) remain same

c) increased

d) continuously change

☐ **Answer - Click Here:**

C

11. Mutual induction depends on

a) resistance changes

b) current changes

c) voltage changes

d) none the above

☐ **Answer - Click Here:**

B

12. A transformer used to convert unbalanced signals to balanced signals is named as ...

a) auto – transformer

b) balun

c) step-up transformer

d) step down -transformer

☐ **Answer - Click Here:**

B

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# Basic Electronics Multiple Choice Questions

By:Prof. Fazal Rehman Shamil Last Modified: April 19, 2020

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## Basic Electronics Multiple Choice Questions

1. When we use single transistor we obtain which gate?

- a) NOR gate
- b) OR gate
- c) NOT gate
- d) NAND gate

Answer - Click Here:

C

2. The circuit which implements OR operation is called as ...

- a) AND gate
- b) NOT gate
- c) NOR gate
- d) OR gate

Answer - Click Here:

D

3. When we increase the number of turns of wire on the secondary coil of a transformer then ...

- a) no effect
- b) a decrease in the secondary current
- c) increase in the secondary current
- d) increase in the primary current

Answer - Click Here:

B

4. The deviation in the resistance of a resistor is known as

- a) tolerance
- b) capacitance
- c) inductance
- d) none of the above

Answer - Click Here:

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A

5. In C.R.O, we connect grid to which potential?

- a) negative potential
- b) positive potential
- c) both
- d) none of these

☐ [Answer - Click Here:](#)

A

6. A bipolar transistor is ....

- a) free electrons and holes are current carriers
- b) free electrons are current carriers
- c) holes are current carriers
- d) all of these

☐ [Answer - Click Here:](#)

A

7. Which one is correct about potential barrier?

- a) amount of energy required to produce half conduction across PN junction in reverse bias
- b) amount of energy required to produce full conduction across PN junction in reverse bias
- c) amount of energy required to produce full conduction across PN junction in forward bias
- d) none of these

☐ [Answer - Click Here:](#)

C

8. An electronic component used to store electric charge is ...

- a) inductor
- b) resistor
- c) capacitor
- d) none of these

☐ [Answer - Click Here:](#)

C

9. When will a transistor behaves as a linear device ...

- a) large signals input

b) small signals input

c) medium signals input

d) all of these

☐ **Answer - Click Here:**

B

10. What is function of linear series voltage converter?

a) resistance voltage converter

b) shunt voltage converter

c) overflow voltage converter

d) all of these

☐ **Answer - Click Here:**

B

11. Rectifier is a device used to ...

a) convert DC to AC

b) convert AC to DC

c) both

d) none of the above

☐ **Answer - Click Here:**

B

12. OP -Amp is the abbreviation of

a) opposite amplifier

b) ohm amplifier

c) operational amplifier

d) all of these

☐ **Answer - Click Here:**

C

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# Basic Electronics Multiple choice questions MCQs – Questions Answers

By:Prof. Fazal Rehman Shamil Last Modified: April 19, 2020

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## Basic Electronics Multiple choice questions MCQs – Questions Answers

1. The ripple factor of a power supply is ...

- a) diode rating
- b) filter efficiency
- c) power output
- d) voltage regulation

☐ Answer - Click Here:

C

2. LED stands for ...

- a) light energy display
- b) light emitting display
- c) light emitting detector
- d) light emitting diode

☐ Answer - Click Here:

D

3. The multimeter is an instrument that measure

- a) resistance
- b) voltage
- c) current
- d) all of these

☐ Answer - Click Here:

D

4. When the temperature of the semi-conductor is increased, the conductivity will ...

- a) decreases
- b) increases
- c) same every time
- d) all of the above

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A

5. Electrons emitted from hot metal surfaces is a process of ...

- a) static emission of electrons
- b) current emission of electrons
- c) thermionic emission of electrons
- d) all of these

☐ [Answer - Click Here:](#)

C

6. Common transistor has three leads named as ....

- a) commom emitter bias
- b) emmitter collector case
- c) collecctor base emmitter
- d) none of these

☐ [Answer - Click Here:](#)

C

7. The function of zener diode is ...

- a) current amplifier
- b) voltage amplifier
- c) regulators
- d) all of these

☐ [Answer - Click Here:](#)

C

8. DSC means ...

- a) digital server omitter
- b) digital storage oscilloscope
- c) device storage omitter
- d) none of these

☐ [Answer - Click Here:](#)

B

9. The total number of electrons in an atom is termed as ...

- a) atomic radius
- b) atomic weight
- c) atomic size

☐ **Answer - Click Here:**

D

10. Which of the following [logic gates](#) are known as universal gates?

- a) NOR, NAND, XNOR
- b) XOR, NOR, NAND
- c) NOT, AND, OR
- d) NOR, NAND

☐ **Answer - Click Here:**

D

11.

To store one BCD digit how many bits are needed?

- a) 1
- b) 2
- c) 3
- d) 4

☐ **Answer - Click Here:**

D

12. What is Avalanche breakdown in zener diode?

- a) voltage multiplication
- b) electric current multiplication
- c) electrons are decelerated
- d) rise in voltage

☐ **Answer - Click Here:**

B

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# Basic Electronics MCQ’s for MS and Ph.D admission in universities

**By:**Prof. Fazal Rehman Shamil **Last Modified:** April 19, 2020

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## Basic Electronics MCQ’s for MS and Ph.D admission in universities

1. Semiconductor’s have which of the following bond?

- a) Co-ordinate bond
- b) Covalent bond
- c) Electrovalent bond
- d) all of the above

☐ **Answer - Click Here:**

B

2. Pure silicon has a resistivity of ...

- a) 6000  $\Omega$  cm
- b) 1000  $\Omega$  cm
- c) 300  $\Omega$  m
- d) 600  $\Omega$  cm

☐ **Answer - Click Here:**

A

3. The region of semi-conductor which is lightly doped is known as ...

- a) base
- b) source
- c) emitter
- d) all of these

☐ **Answer - Click Here:**

A

4. Diamond is an example of ...

- a) Insulator
- b) Conductor
- c) Semi-Conductor
- d) none of the above

☐ **Answer - Click Here:**

A

5. Quantities whose values vary in non-continuous manner are

- a) analogue
- b) vector
- c) scalar
- d) digital

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☐ [Answer - Click Here:](#)

D

6. Mutual induction is dependent on which of the following factor ...

- a) output polarities
- b) current changes
- c) winding ratios
- d) none of these

☐ [Answer - Click Here:](#)

B

7. The common collector amplifier is called as ...

- a) emitter follower
- b) base follower
- b) collector follower
- d) source follower

☐ [Answer - Click Here:](#)

A

8. When we heat a pure semiconductor its resistance goes ...

- a) goes down
- b) goes up
- c) remains constant
- d) none of these

☐ [Answer - Click Here:](#)

A

9. Why semiconductor crystal is much strong?

- a) forces between nuclei
- b) electron-pair bonds
- c) forces between protons
- d) all of the above

☐ [Answer - Click Here:](#)

B

10. The pentavalent impurities are basically

- a) acceptors
- b) donors
- c) both
- d) none of above

☐ [Answer - Click Here:](#)

B

11. CRO stands for



- a) cathode ray oscilloscope
- b) cathode ray output
- c) cathode oscillator
- d) none of these

☐ Answer - Click Here:

A

12. In AND [gate](#) if any of logic input is '0' then output will be ...

- a) 0
- b) 1
- c) 2
- d) 3

☐ Answer - Click Here:

A

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# Computer Graphics MCQs

By:Prof. Fazal Rehman Shamil Last Modified: April 19, 2020

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## Computer Graphics MCQs

1. Erasing of the screen either selective or a part is not possible in ...

- a) DVST
- b) SCR
- c) OCR
- d) none of these

☐ Answer - Click Here:

A

2. Computer graphics are classified as

- a) raster and pixels
- b) vector and raster
- c) vector and paths
- d) none of these

☐ Answer - Click Here:

B

3. DTP is abbreviated as ...

- a) desktop publishing
- b) desk town publishing
- c) draw top publishing
- d) none of these

☐ Answer - Click Here:

A

4. Complex graphics include which of the following operation?

- a) selection
- b) clipping
- c) sorting
- d) all of these

☐ Answer - Click Here:

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- Psychology MCQs
- Philosophy Of Science

5. What happens if the pixels of an image are increased?

- a) blur
- b) hide
- c) better
- d) smaller

☐ **Answer - Click Here:**

C

6. Graphic software is a tool used to create

- a) designs
- b) images & animated pictures
- c) text
- d) all of these

☐ **Answer - Click Here:**

B

7. Which ink is used in laser printer?

- a) wet
- b) solid
- c) dry
- d) none of these above

☐ **Answer - Click Here:**

C

8. LCD projectors are of how many types?

- a) 1
- b) 2
- c) 3
- d) 4

☐ **Answer - Click Here:**

A

9. Bit map and vector graphics are used for ...

- a) DRO image file format
- b) ECR iamge file format
- c) EPS image file format

☐ **Answer - Click Here:**

C

10. Pixel is defined as

- a) medium sized screen element
- b) largest addressable screen element
- c) smallest addressable screen element
- d) all of the above

☐ **Answer - Click Here:**

C

11. The fifth major key element in design of multimedia application is ...

- a) graphics
- b) styling
- c) designing
- d) all of these

☐ **Answer - Click Here:**

A

12. The most simplest output primitive is ...

- a) circle
- b) point
- c) line
- d) all of these

☐ **Answer - Click Here:**

B

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# Computer Graphics Solved MCQs Questions Answers

By:Prof. Fazal Rehman Shamil Last Modified: May 27, 2019

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## Computer Graphics Solved MCQs Questions Answers

1. GUI stands for
- a) Graphical user interaction
  - b) Graphical uniform interchange
  - c) Graphics user interface
  - d) None of these

Answer - Click Here:

C

### 2. The basic input device in GUI is

- a) keyboard
- b) monitor
- c) mouse
- d) all of these

Answer - Click Here:

C

### 3. Geometric transformation include

- a) transition
- b) drawing
- c) scaling
- d) none of the above

Answer - Click Here:

C

### 4. DVST stands for ...

- a) Direct Visual Storage Tube
- b) Digital View Storing Table
- c) Direct View Storage Tube
- d) Digital View Storage Tube

Answer - Click Here:

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## MCQS

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**5. The term 'raster' is used for ...**

- a) array
- b) queue
- c) model
- d) matrix

☐ **Answer - Click Here:**

**D**

**6. Graphics is defined as ...**

- a) photographs
- b) simulations
- c) drawing
- d) all of these

☐ **Answer - Click Here:**

**D**

**7. What is the purpose of display card?**

- a) sending graphics data to output unit
- b) receiving graphics data to input unit
- c) sending graphics data from output unit
- d) all of these

☐ **Answer - Click Here:**

**A**

**8. Sutherland Hodgeman algorithm is applied on ...**

- a) line segment
- b) concave polygon
- c) smooth curves
- d) convex polygon

☐ **Answer - Click Here:**

**D**

**9. Pixels are arranged in**

- a) three dimensional grid
- b) two dimensional grid
- c) one dimensional grid

☐ Answer - Click Here:

B

**10. Which controller is used to read each successive byte of data from frame buffer?**

- a) data controller
- b) display controller
- c) digital controller
- d) design controller

☐ Answer - Click Here:

C

**11. Each pixel's brightness is ...**

- a) transitive
- b) compatible
- c) incompatible
- d) none of these

☐ Answer - Click Here:

C

**12. RGB models are used for**

- a) printing
- b) texting
- c) computer display
- d) window display

☐ Answer - Click Here:

C

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# Computer Graphics Objective Questions Answers

By:Prof. Fazal Rehman Shamil Last Modified: May 27, 2019

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## Computer Graphics Objective Questions Answers

### 1. Tweens are a characteristic of which type of animation?

- a) AVI animation
- b) vector animation
- c) scalar animation
- d) none of these

☐ Answer - Click Here:

B

### 2. Active matrix display based on ...

- a) thin film transistor
- b) mirror
- c) CRT
- d) none of these

☐ Answer - Click Here:

A

### 3. Which type of animations uses stop motion techniques?

- a) production
- b) HTML
- c) frame-based animation
- d) all of these

☐ Answer - Click Here:

C

### 4. Vector animation is also named as ...

- a) vector animation
- b) alpha animation
- c) path animation
- d) down animation

☐ Answer - Click Here:

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5. What does CAD stand for?

- a) Computer Action Data
- b) Commonly Available Data
- c) Computer-Aided Design
- d) Computer Aided Drawing

☐ Answer - Click Here:

C

6. Graphics software packages are used for ...

- a) text
- b) pictures
- c) design
- d) all of these

☐ Answer - Click Here:

B

7. Text or graphic movements are classified into?

- a) animation
- b) styles
- c) designs
- d) all of these

☐ Answer - Click Here:

A

8. Animations having sound is ...

- a) audio
- b) graphics
- c) video
- d) animation video

☐ Answer - Click Here:

C

9. The refresh rate is basically measured in ?

- a) kilo hertz
- b) mega hertz
- c) hertz



☐ Answer - Click Here:

C

**10. Display processor is also named as ...**

- a) display coprocessor
- b) graphics
- c) editor processor
- d) all of these

☐ Answer - Click Here:

A

**11. Which device is required for specify scalar values?**

- a) scalator
- b) specifier
- c) valuator
- d) all of these

☐ Answer - Click Here:

C

**12. On screen, each screen point is referred to as \_\_\_\_\_**

- a) persistence
- b) resolution
- c) pixel
- d) dot

☐ Answer - Click Here:

A

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# Computer Graphics Test and Quiz

By:Prof. Fazal Rehman Shamil Last Modified: August 13, 2020

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## Computer Graphics Test and Quiz

1. Raster images are also commonly known as ...

- a) box map
- b) pixmap
- c) bitmap
- d) none of these

Answer - Click Here:

C

2. Distance from one pixel to the next pixel is named as ...

- a) opacity
- b) resolution
- c) persistence
- d) all of these

Answer - Click Here:

B

3. Which algorithm is the simplest algorithm?

- a) buffer algorithm
- b) [banker's algorithm](#)
- c) weighted algorithm
- d) all of these

Answer - Click Here:

A

4. Interactive [computer graphics](#) have \_\_\_\_\_ components.

- a) 1
- b) 2
- c) 3
- d) 4

Answer - Click Here:

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**5. To enable to take computer data we use which projector?**

- a) dimensional projector
- b) trijack mounted projector
- c) roof mounted projector
- d) none of these

☐ **Answer - Click Here:**

**C**

**6. The most basic geometric transformations include ...**

- a) translation
- b) rotation
- c) scaling
- d) all of these

☐ **Answer - Click Here:**

**D**

**7. The intersection of three primary RGB color will produce ...**

- a) green color
- b) blue color
- c) maroon color
- d) white color

☐ **Answer - Click Here:**

**D**

**8. Graphics having only few limited features is called as ...**

- a) grayscale graphics
- b) active graphics
- c) passive image
- d) none of these

☐ **Answer - Click Here:**

**C**

**9. The second grid in DUST is know as ...**

- a) storage mesh
- b) phosphor
- c) collector

☐ [Answer - Click Here:](#)

**C**

10. Raster scan system use .....

- a) absolute mask method
- b) tree mask method
- c) shadow mask method
- d) none of these

☐ [Answer - Click Here:](#)

**C**

11. The hardware devices contain ....

- a) plotters
- b) speakers
- c) scanners
- d) nonne of these

☐ [Answer - Click Here:](#)

**A**

**12. Which of the following is the example of impact devices?**

- a) Electrostatic printer,Line printer
- b) Inkjet printer,Laser printer
- c) Line printer, chain printer
- d) none of these

☐ [Answer - Click Here:](#)

**C**

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# Computer Graphics Multiple choice questions

By:Prof. Fazal Rehman Shamil Last Modified: April 19, 2020

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## Computer Graphics Multiple choice questions

1. Polygon consists of \_\_\_\_\_ types?

- a) one
- b) two
- c) three
- d) four

☐ Answer - Click Here:

B

2. We use LCD commonly in ...

- a) Laptops
- b) mobiles
- c) cameras
- d) none of these

☐ Answer - Click Here:

A

3. We can apply rubber band to which type of objects?

- a) scalar
- b) scale
- c) vector
- d) all of these

☐ Answer - Click Here:

A

4. A wireless mouse works on the basis of ...

- a) infra radiation
- b) infra grey radiations
- c) infra red radiations
- d) infra blue radiations

☐ Answer - Click Here:

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5. In concave polygon, the object appears as ...

- a) half
- b) partial
- c) full
- d) none off these

☐ **Answer - Click Here:**

B

6. GKS is abbreviated as ...

- a) Generic kernel system
- b) Graphics kernel standarization
- c) Graphics kernel system
- d) none of these

☐ **Answer - Click Here:**

C

7. Which transformation is required for slanting the shape of an object is ...

- a) shear
- b) scaling
- c) reflection
- d) none of these

☐ **Answer - Click Here:**

A

8. The major constraints include ...

- a) vertical and left alignment
- b) vertical and horizontal alignment
- c) horizontal alignment
- d) horizontal and right alignment

☐ **Answer - Click Here:**

B

9. Today display systems are used in ...

- a) CUST
- b) SUST
- c) DUST

☐ [Answer - Click Here:](#)

C

10. Relative and absolute are the types of

- a) polygon
- b) coordinates
- c) vertices
- d) none of these

☐ [Answer - Click Here:](#)

B

11. A type of window which is invoked by an application when multiple inputs are required to specify the desired action is termed as ...

- a) panel
- b) menu
- c) dialog box
- d) none of these

☐ [Answer - Click Here:](#)

C

12. Which [graphics](#) application provides a proper dialogue box to help the user to solve a problem?

- a) MS Paint
- b) MS Excel
- c) MS Word
- d) none of these

☐ [Answer - Click Here:](#)

A

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## Network Security MCQs

**By:**Prof. Fazal Rehman Shamil **Last Modified:** August 13, 2020

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### Network Security MCQs

1. Which technique is used for data protection ?.

- A. Data piracy
- B. Authentication
- C. Encryption
- D. None of these

☐ Answer - Click Here:

C

2. \_\_\_\_\_are the types of firewalls.

- A. Packet Filtering
- B. Dual Homed Gateway
- C. Both A and B
- D. None of these

☐ Answer - Click Here:

C

3. Data is mirrored in two disks with\_\_\_\_\_.

- A. RAID 0
- B. RAID 2
- C. RAID 1
- D. All of these

☐ Answer - Click Here:

C

4. IDEA algorithm generates \_\_\_\_\_keys.

- A. 56
- B. 28
- C. 52
- D. 72

☐ Answer - Click Here:

C

5.Coaxial cables used in \_\_\_\_\_networks

- A. Telephone

Search

### NETWORKING MCQS

- SET 1: Transmission and switching
- SET 2: Telecommunication
- SET 3: Networking Programming
- SET 4: Networking
- SET 5: Networking
- SET 6: Network Security
- SET 7: Network
- SET 8: Networks
- SET 9: Digital Communication
- SET 10: Internet Protocols

B. Cable TV

C. Both A and B

D. NONE OF these

☐ **Answer - Click Here:**

B

**6. How many S – boxes used in DES algorithm?**

A. 6

B. 24

C. 8

D. 42

☐ **Answer - Click Here:**

C

**7. [Optical Fiber](#) transmit\_\_\_\_\_.**

A. light signal

B. radio signal

C. electrical signal

D. Both A and B

E. None of these

☐ **Answer - Click Here:**

A

**8. HTTP port number used is\_\_\_\_\_.**

A. 43

B. 441

C. 443

D. 449

E. Both A and B

☐ **Answer - Click Here:**

C

**9. In networks protocol TCP/ IP stands for.**

A. Transaction control protocol

B. Transmission control protocol

C. Transmission contribution protocol

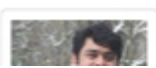
D. None of these

☐ **Answer - Click Here:**

B

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## Telecommunication MCQs (Multiple choices questions )

**By:** Prof. Fazal Rehman Shamil **Last Modified:** April 19, 2020

### Telecommunication MCQs (Multiple choices questions )

**1. Mobile phone commercially available in\_\_\_\_\_year.**

- A. 1983
- B. 1975
- C. 2001
- D. 1988
- E. None of these

☐ **Answer - Click Here:**

A

**2. In populated area\_\_\_\_\_network used interconnection computer.**

- A. MAN
- B. LAN
- C. Both A and B
- D. None of these

☐ **Answer - Click Here:**

A

**3. First smartphone is\_\_\_\_\_.**

- A. IBM Simon
- B. Nokia 1110
- C. samsung
- D. None of these

☐ **Answer - Click Here:**

A

**4. Managing the rate at which the traffic in a [network](#) is\_\_\_\_\_ control.**

- A. Routing
- B. Flow
- C. Data
- D. None of these

☐ **Answer - Click Here:**

B

**5.Name of International Telecommunication Union was\_\_\_\_\_.**

- A. International Telegraph Union
- B. international Telecommunication organization
- C. International Telegraph Bussiness
- D. None of these

☐ **Answer - Click Here:**

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**6. internet service available on mobile phone in\_\_\_\_\_year**

- A. 1999
- B. 1982
- C. 1991
- D. 1978
- E. None of these

☐ **Answer - Click Here:**

A

**7. \_\_\_\_\_ switching has used the transfer of coded values from input to output.**

- A. Combination
- B. Time
- C. Space
- D. None of these

☐ **Answer - Click Here:**

C

**8.Bada is the OS of\_\_\_\_\_smartphone company.**

- A. Samsung
- B. Nokia
- C. Blackberry
- D. None of these

☐ **Answer - Click Here:**

D

**9. In \_\_\_\_\_ iPhone was introduced.**

- A. 2007
- B. 1999
- C. 2006
- D. None of these

☐ **Answer - Click Here:**

A

**10. Which among the following is/are supported by LAN?**

- A. HTTP
- B. PABX
- C. SNDP
- D. None of these

☐ **Answer - Click Here:**

B





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## Digital Communication MCQs

By:Prof. Fazal Rehman Shamil Last Modified: August 4, 2019

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### Digital Communication MCQs

1. Which of the following is correct in uniform quantization process \_\_\_\_\_

- A. Step size varies according to the values of the input signal
- B. The step size remains the same
- C. The quantizer has linear characteristics
- D. None of these
- E. Both B and C are correct

Answer - Click Here:

E

2. What is the process of converting the analog sample into discrete form is known as \_\_\_\_\_

- A. Quantization
- B. Modulation
- C. Sampling
- D. Multiplexing

Answer - Click Here:

A

3. Which one of the following are the disadvantages of PCM \_\_\_\_\_

- A. Cannot be decoded easily
- B. It requires a large bandwidth
- C. Very high noise
- D. None of the above

Answer - Click Here:

B

4. In the modulation technique that requires minimum bandwidth is \_\_\_\_\_ ,  
In digital transmission.

- A. DPCM
- B. PAM
- C. Delta modulation
- D. PCM

Answer - Click Here:

C

5. During the Differential Pulse Code Modulation techniques, in which the decoding is performed by

- A. Sampler

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☐ Answer - Click Here:

**B**

**6. When Granular noise occurs if \_\_\_\_\_**

- A. Step size is too large
- B. Bandwidth is too large
- C. Step size is too small
- D. None of these

☐ Answer - Click Here:

**A**

**7. How the Code strength is characterized by \_\_\_\_\_**

- A. Code weight
- B. Code size
- C. Maximum distance
- D. Minimum distance

☐ Answer - Click Here:

**D**

**8. The value of 'n' should be \_\_\_\_\_, For better efficiency and simplicity.**

- A. Minimum
- B. Maximum
- C. Infinity
- D. Zero

☐ Answer - Click Here:

**A**

**9. There are some various types of distortion which are \_\_\_\_\_**

- A. Jitter
- B. Noise
- C. Error
- D. None of these
- E. Both A & B Correct

☐ Answer - Click Here:

**10. The Reconstruction of continuous signals is done using \_\_\_\_\_ algorithm.**

- A. Interpolation
- B. Decimation & Interpolation
- C. Decimation
- D. None of the Above

☐ Answer - Click Here:

**A**

**11. Where Sampling is used**

- A. Audio
- B. Speech
- C. Video
- D. All of above
- E. None of these

☐ Answer - Click Here:

**D**

**12. Select one that the number of errors that can be corrected without erasure information is \_\_\_\_\_**

- A.  $(D_{\min} - 1)/2$
- B.  $D_{\min} + 1$
- C.  $D_{\min} - 1$
- D.  $(D_{\min} + 1)/2$

☐ Answer - Click Here:

**A**

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## Internet Protocols MCQs

**By:** Prof. Fazal Rehman Shamil **Last Modified:** April 19, 2020

### Internet Protocols MCQs

**1. Which version field of IPv4 header, when the machine is using some other version of IPv4 then datagram\_\_\_\_\_.**

- A. Accepted
- B. Discarded
- C. Interpreted incorrectly
- D. Interpreted

☐ [Answer - Click Here:](#)

**B**

**2. What is header of datagram in IPv4\_\_\_\_\_**

- A. 20 to 60 bytes
- B. 20 to 80 bytes
- C. 20 to 40 bytes
- D. 0 to 20 bytes

☐ [Answer - Click Here:](#)

**A**

**3. Which one of the following source needs to pass information to all routers visited by datagram, the option used in**

- A. IP-by-IP option
- B. Header-by-Header option
- C. Hop-by-Hop Option
- D. Loop-by-loop Option

☐ [Answer - Click Here:](#)

**C**

**4. What is the responsibility of the internetwork, the network layer is \_\_\_\_\_**

- A. Host to Server communication
- B. Host to User Link
- C. User to Host IP
- D. Host to Host Delivery

☐ [Answer - Click Here:](#)

**D**

**5. What is the abbreviation of CCT...**

- A. Congestion Controlled Transmission
- B. Close Circuit Traffic
- C. Close Circuit Transmission
- D. Congestion Controlled Traffic

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[Engineering MCQs Homepage](#)

[Psychology MCQs](#)

[Philosophy Of Science](#)

☐ Answer - Click Here:

282 of 464

D

**6. Fragmented datagram's fragment size should have the first-byte number of IPv4 divisible by\_\_\_\_\_**

- A. 8
- B. 16
- C. 2
- D. 4

☐ Answer - Click Here:

A

**7. How IPv6 is designed to allow extension of\_\_\_\_\_**

- A. Headers
- B. DataSet
- C. Protocol
- D. Routes

☐ Answer - Click Here:

C

**8. When flag field that fragmentation of IPV4 is\_\_\_\_\_.**

- A. 2 bit field
- B. 1 bit field
- C. 4 bit field
- D. 3 bit field

☐ Answer - Click Here:

D

**9. M bit is 0, value of HLEN is 5, value of total length is 200 and offset value \_\_\_\_\_,in an IPv6 datagram.**

- A. 200
- B. 300
- C. 350
- D. 400

☐ Answer - Click Here:

A

**10. In IPv4, a When machine drops header and trailer when it receives a**

- A. Frame
- B. Signal
- C. Request
- D. Service

☐ Answer - Click Here:

A

**11. The datagram [network uses universal addresses defined in the network layer](#) to route packets from source to the**

- A. Destination  
B. Application  
C. Same source  
D. Layers

☐ Answer - Click Here:

A

12. How physical and [data link layers](#) of a network operate...

- A. Unjointly  
B. Seperately  
C. Locally  
D. Independently

☐ Answer - Click Here:

D



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## Networking Programming Solved MCQs with answer

**By:** Prof. Fazal Rehman Shamil **Last Modified:** August 12, 2020

### Networking Programming Solved MCQs with an answer

Let's see some most asked [important](#) Networking Programming Solved MCQs with an answer.

1. \_\_\_\_\_ are the advantages of [hierarchical routing](#).

- A. Flexibility
- B. Reliability
- C. Scalability
- D. Portability
- E. None of these

☐ [Answer - Click Here:](#)

C

2. One of the following the java.net Net Address class represents.

- A. Socket
- B. Protocol
- C. IP Address
- D. MAC Address
- E. All of these

☐ [Answer - Click Here:](#)

C

3. \_\_\_\_\_ is the Central Computer powerful than other computers in the network.

- A. Server
- B. Hub
- C. Client
- D. Switch
- E. Both A and B

☐ [Answer - Click Here:](#)

A

4. TCP groups a number of bytes together \_\_\_\_\_ in a packets.

- A. user datagram
- B. datagram
- C. segment
- D. packet
- E. None of these

☐ [Answer - Click Here:](#)

C

5. one of the following classes are used for connection-less socket

Search

### NETWORKING MCQS

- SET 1: Transmission and switching
- SET 2: Telecommunication
- SET 3: Networking Programming
- SET 4: Networking
- SET 5: Networking
- SET 6: Network Security
- SET 7: Network
- SET 8: Networks
- SET 9: Digital Communication
- SET 10: Internet Protocols

- A. Datagram Socket
- B. Datagram Packet
- C. Both Datagram Socket
- D. Datagram Packet
- E. None of these

☐ Answer - Click Here:

A

**6. one of the following is a path vector routing?**

- A. exterior gateway protocol
- B. inter-domain routing
- C. network routing protocol
- D. All of these

☐ Answer - Click Here:

C

**7. \_\_\_\_\_is the Machine that places the request to access the data**

- A. Client Machine
- B. Server Machine
- C. Request Machine
- D. None of these

☐ Answer - Click Here:

B

**8. \_\_\_\_\_is the default port of SMTP.**

- A. 25
- B. 70
- C. 80
- D. 85
- E. None of these

☐ Answer - Click Here:

A

**9. \_\_\_\_\_ Net Ware protocol provides link-state routing.**

- A. SAP
- B. RIP
- C. NLSP
- D. NCP

☐ Answer - Click Here:

C

**10. one of the following applications of the [Client and Server Model](#)?**

- A. Email
- B. Network Printing
- C. World Wide Web
- D. All of these

D



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## HTML Multiple Choice Questions MCQs

**By:** Prof. Fazal Rehman Shamil **Last Modified:** April 19, 2020

### HTML Multiple Choice Questions MCQs

1. HTML stands for

- a) Hyper Text Mark-Up Language
- b) Hyper Text Mark -Up line
- c) Holistic Technical Mechanical Library
- d) Hyper Technical Method List

☐ **Answer - Click Here:**

**A**

2. What type of language [is HTML](#)?

- a) programing language
- b) [scripting language](#)
- c) markup language
- d) none of these

☐ **Answer - Click Here:**

**C**

3. Which of the following tag is used to display an image?

- a) <src>
- b) <img>
- c) <alt>
- d) <ul>

☐ **Answer - Click Here:**

**B**

4. We can bold uor text with which tags?

- a) <solid> & <strong>
- b) <b> & <s>
- c) <img> & <tag>
- d) <b> & <strong>

☐ **Answer - Click Here:**

**D**

Search

### MCQS

MCQs – Database Systems  
 MCQs – Computer Network  
 MCQs Data Structures  
 MCQs-Computer Science Basics  
 MCQs – Computer Science  
 MCQs – English  
 MCQs – Biology  
 MCQs – Everyday Science  
 MCQs – General Knowledge  
 MCQs – Islamic studies  
 MCQs – Maths  
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 MCQs – General  
 Engineering MCQs Homepage  
 Psychology MCQs  
 Philosophy Of Science

- a) <html>
- b) <body>
- c) <style>
- d) <title>

☐ Answer - Click Here:

**A**

**6. To create web page we use ...**

- a) OOP
- b) C++
- c) VISUAL
- d) HTML

☐ Answer - Click Here:

**D**

**7. Which is the fundamental [block of HTML](#)?**

- a) HTML body
- b) [HTML element](#)
- c) HTML tag
- d) none of these

☐ Answer - Click Here:

**C**

**8. <a> & </a> tag is being used for**

- a) adding
- b) adding image
- c) adding links to web page
- d) adding text to web page

☐ Answer - Click Here:

**C**

**9. File of HTML has an extension of ...**

- a) .h
- b) ml
- c) .html
- d) all of these

☐ Answer - Click Here:



C

**10. How can we make bulleted lists?**

- a) <ul>
- b) <li>
- c) <ol>
- d) all of these

☐ [Answer - Click Here:](#)

C

**11. Which [HTML tag](#) is used for largest heading?**

- a) <h9>
- b) <h5>
- c) <h3>
- d) <h1>

☐ [Answer - Click Here:](#)

A

**12. BODY tag is used after ...**

- a) head
- b) title
- c) html
- d) none of these

☐ [Answer - Click Here:](#)

A



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## HTML Solved MCQs

**By:** Prof. Fazal Rehman Shamil **Last Modified:** April 19, 2020

### HTML Multiple Choice Questions MCQs

"HTML Multiple Choice Questions MCQs" is the set of frequently asked Multiple Choice questions and these MCQs are asked in different test in the past in different test. Here, we are presenting those MCQs in a different style. Let's begin with Set 1.

#### Set 1: HTML FAQ in GAT Test

##### 1. Which of the following is a container?

- a) <input>
- b) <head>
- c) <select>
- d) <document>

☐ [Answer - Click Here:](#)

**C**

##### 2. To create a descriptive list which tag is used?

- a) <DS>
- b) <DD>
- c) <DL>
- d) <LD>

☐ [Answer - Click Here:](#)

**C**

##### 3. <INPUT> tag is a .....

- a) base tag
- b) format tag
- c) delete tag
- d) empty tag

☐ [Answer - Click Here:](#)

**D**

##### 4. To add a line break which tag is used?

- a) <strong>
- b) <line>
- c) <break>

Search

## MCQS

MCQs – Database Systems  
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 MCQs – Communication skills  
 MCQs – General  
 Engineering MCQs Homepage  
 Psychology MCQs  
 Philosophy Of Science

☐ [Answer - Click Here:](#)

**D**

**5. Which tag is used to specify font to whole web page?**

- a) <indexfont>
- b) <defaultfont>
- c) <targetfont>
- d) none of these

☐ [Answer - Click Here:](#)

**B**

**6. <TH> ,<TR> & <TD> are the tag of ...**

- a) list
- b) text
- c) body
- d) table

☐ [Answer - Click Here:](#)

**D**

**7. Gif and jpg are the types of ...**

- a) videos
- b) audio
- c) image
- d) text

☐ [Answer - Click Here:](#)

**C**

**8. Which tag we will use to add rows in a table?**

- a) <i> & </i>
- b) <b> & </b>
- c) <tr> & </tr>
- d) <td> & </td>

☐ [Answer - Click Here:](#)

**C**

**9. <p> tag is used for ...**

- a) pitch

- c) print
- d) all of these

☐ **Answer - Click Here:**

**B**

**10. <TABLE> tag is used in ...**

- a) head
- b) body
- c) title
- d) none of these

☐ **Answer - Click Here:**

**B**

**11. What will be added in a table when <td> and </td> tag is used?**

- a) row
- b) cell
- c) column
- d) list

☐ **Answer - Click Here:**

**C**

**12. <COLSPAN> tag is added to ...**

- a) <table>
- b) <tr>
- c) <td>
- d) <th>

☐ **Answer - Click Here:**

**C**

**Set 2: HTML FAQ in GRE Test**

1. What is HTML?
  - A. High Text Markup Language
  - B. Hyper Tabular Markup Language
  - C. HyperText Markup Language
  - D. None of these
  - E. Both A and B
  - F. Both C and A

☐ **Answer - Click Here:**

2. which of the tag is used to mark the beginning of the paragraph?

A.<TD>

- B. <br>
- C. <TR>
- D. <ul>
- E. <P>
- F. <ol>

☐ **Answer - Click Here:**

3. which tag is used to descriptive list starts ?

- A. <LL>
- B. <DD>
- C. <DL>
- D. <DS>
- D. None of these
- E. Both A and B

☐ **Answer - Click Here:**

4. Correct [HTML tag for the largest heading](#) is

- A. <head>
- B. <h6>
- C. <heading>
- D. <h1>
- E. None of these
- F. Both A and B

☐ **Answer - Click Here:**

5. Select the attributes of the <form> tag?

- A. Method
- B. Action
- C. Image
- D. Button
- E. Both A and B
- F. None of these

☐ **Answer - Click Here:**

6. Markup tags tell the web browser?

- A. How to organize the page
- B. How to display the page
- C. How to display a message box on the page
- D. None of these

☐ **Answer - Click Here:**

7. www is based on which model?

- A. Local-server
- B. 3-tier
- C. world wide web
- D. Client-server
- E. None of these
- F. Both A and C

☐ **Answer - Click Here:**

8. What are Empty elements and is it valid?.

- A. No terms exist as Empty Element
- B. It is not valid to use Empty Element
- C. None of these
- D. Empty elements have no data
- E. None of these
- F. Both A and C

☐ **Answer - Click Here:**

9. Which type of attributes of text box control is used for the maximum character?

- A. Size
- B. Len
- C. all of these



- only  
D. Both A and B  
E. max length  
F. None of these

☐ **Answer - Click Here:**

### Set 3: HTML FAQ in NTS Test

10. To start the web page which of the following tag is used?

- A.<Body>  
B.<Title>  
C.<HTML>  
D.<Form>  
E. Both A and B  
F. None of these

☐ **Answer - Click Here:**

11.HTML is a subset of

- A.SGMT  
B.SGML  
C.SGMD  
D. None of these  
E. Both A and B

☐ **Answer - Click Here:**

12.Which are the containers in the following options?

- A. <SELECT>  
B. <BODY>  
C. <INPUT>  
D. <Image>  
E. Both (a) and (b)  
F. None of these

☐ **Answer - Click Here:**

13. Select the attribute which defines the relationship B/W the current document and HREF'ed URL is

- A.REL  
B.URL  
C.REV  
D. all of these  
E. None of these  
F. Both A and B

☐ **Answer - Click Here:**

14.<DD>tag is used to accept? ,as <DT>tag is used to fit a single line of our web page.

- A. line of text  
B. word  
C. request  
D. full paragraph  
E. Both A and C  
F. None of these

☐ **Answer - Click Here:**

### Set 4: HTML FAQ in PPSC Test

15. The descriptive list starts from which tag?

- A. <DL>  
B. <LL>  
C. <DD>  
D. <DS>  
E. Both A and B  
F. None of these

16.Which command is used to left align the content inside the table cell?

- A.<tdleft>
- B.<td align = "left">
- C.<td raligh = "left" >
- D.<td leftalign>
- E. None of these
- F. All of them

☐ **Answer - Click Here:**

17.To rest other HTML tags within the description which of the following tag is used?

- A.<TH>
- B.<CAPTION>
- C.<TD>
- D.<TR>
- E.<Batten>
- F. None of these

☐ **Answer - Click Here:**

18.<Base> tag is designed to appear only between

- A.<TITLE>
- B.<BODY>
- C.<FORM>
- D.<BATTEN>
- E.<FONT>
- F.<HEAD>

☐ **Answer - Click Here:**

19.Which of the following command is used to open a link in a new browser window?

- A. < a href = "url" target = "new">
- B. <a href = "url".new>
- C. <a href = "url" target ="open">
- D. <a href = "url" target= "\_blank">
- E. None of these
- F. Both A and D

☐ **Answer - Click Here:**

19.The best approach to establish Base URL is?

- A. HEAD element
- B. BASE element
- C. TITAL element
- D. Both A and B
- E. None of these
- F. Both A and E

☐ **Answer - Click Here:**

20. To include a hyperlink and create a new [list item](#) which tag is used?

- A.<DL>
- B.<DD>
- C.<LI>
- D.<UL>
- E.<ol>
- F. None of these

☐ **Answer - Click Here:**

## Set 5: HTML FAQ in FPSC Test

21.<first> and <First> elements are same?

- A. No, they represent different elements altogether
- B. First is correct only
- C. first is only correct
- D. Both are same

☐ **Answer - Click Here:**

22. Part of graphic that is not added into another hot zone is considered to be part of \_\_\_\_\_

- A. default
- B. rect
- C. point
- D. polygon
- F. Both A and B
- E. None of these

☐ **Answer - Click Here:**

23. Which of the following is used to create a [number list](#)?

- A. <LI>
- B. <LI> and <OL>
- C. <OL>
- D.<DL>
- E.<DD>
- F. None of these

☐ **Answer - Click Here:**

24.<INPUT> is

- A. empty tag
- B. format tag
- C. both (a) and (b)
- D. none of these

☐ **Answer - Click Here:**

25.The map definition file is generally stored in

- A. RECYCLE-BIN
- B. BIN
- C. CGI-BIN
- D. All of these
- E. Both A and B
- F. None of these

☐ **Answer - Click Here:**

### Set 5: HTML FAQ for Web developers Test and Viva

26.The latest HTML standard is

- A.XML
- B.SGML
- C.HTML 4.0
- D.HTML 5.0
- E. None of these
- F. Both A and B

☐ **Answer - Click Here:**

27.Tag which is used to create a hypertext relationship between current document and another URL is

- A. <LINK>
- B. <ISINDEX>
- C. <A>
- D. <br>
- E. Both A and B
- F. None of these

☐ **Answer - Click Here:**

28.The text inside the <TEXT AREA> tag works like

- A <P> [formatted text](#)

- B. <PRE> formatted text
- C. <T> formatted text
- D. Both A and B
- E. none of these

☐ **Answer - Click Here:**

29.What is the correct HTML for adding a background color?

- A. <background>yellow<Background>
- B. <body color = "yellow">
- C. <body bg = "yellow">
- D. <body bg color = "yellow">
- E. Both A and B
- F. None of these

☐ **Answer - Click Here:**

30.Main container for <TR>, <TD> and <TH> is

- A. <GROUP>
- B. <DATA>
- C. <TABLE>
- D. Both A and C
- E. All of these
- F. None of these

☐ **Answer - Click Here:**

### Set 6: HTML FAQ for Web Managers Test and Viva

31. The body tag mostly used after?

- A. Title tag
- B. EM tag
- C. FORM tag
- D. HEAD tag
- E. Both A and B
- F. None of these

☐ **Answer - Click Here:**

32. How can you make an e-mail link?

- A. <a href = "mail to: xxx@y.com">
- B. <mail href + "xxx@y.com">
- C. <a href = "xxx@y.com">
- D. Both B and C
- E. None of these

☐ **Answer - Click Here:**

33.Which tag creates a number/order list?

- A.<UL>
- B.<OT>
- C.<BR>
- D.<OL>
- E. Both A and B
- F. None of these

☐ **Answer - Click Here:**

34.Which of the following symbols is used at the beginning of HREF?

- A. \$
- B. &
- C. #
- D. ^
- E. Both A and B
- F. None of these

☐ **Answer - Click Here:**

35.Choose a Valid name form the following?

- A. <123 person>
- B. <br>
- C. <image>
- D. <\_person>
- E. Both A and B
- F. None of these

☐ **Answer - Click Here:**



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# Technical Report Writing Multiple Choice Questions MCQs

By:Prof. Fazal Rehman Shamil Last Modified: August 7, 2020

## Technical Report Writing Multiple Choice Questions MCQs

1.\_\_\_\_\_ establishes the [technical report](#).

- A. Logical conclusion
- B. Illogical Conclusion
- C. Personal prejudice
- D. Misplaced learning

☐ Answer - Click Here:

A

2.Which is not basis for a technical report?

- A. Facts
- B. Tests
- C. Personal prejudices
- D. Experiments

☐ Answer - Click Here:

C

3. Shorter report is considered to be as.

- A. One to five pages
- B. Three to five pages
- C. Four to five pages
- D. Two paragraph

☐ Answer - Click Here:

A

4. In technical writing the largest report termed is.

- A. Conclusion/recommendation
- B. Discussion
- C. Heading
- D. Footing

☐ Answer - Click Here:

B

5. In a technical report Which of these must be avoided.

- A. Facts
- B. Logical conclusion
- C. Objective evaluation
- D. Subjective evaluation

☐ Answer - Click Here:

D

Search

## MCQS ENGLISH

- SET 1: English MCQs
- SET 2: English MCQs
- SET 3: English MCQs
- SET 4: English MCQs
- SET 5: English MCQs
- SET 6: English MCQs
- SET 7: English MCQs
- SET 8: English MCQs
- SET 9: English MCQs
- SET 10: English MCQs
- SET 11: English MCQs
- SET 12: English MCQs
- SET 13: English MCQs
- SET 14: English MCQs
- SET 15: English MCQs
- SET 16: English MCQs
- SET 17: English MCQs
- SET 18: English MCQs
- SET 19: English MCQs
- SET 20: English MCQs
- SET 21: English MCQs
- SET 22: English MCQs
- SET 23: English MCQs
- SET 24: English MCQs
- SET 25: English MCQs
- SET 26: Technical Report Writing
- SET 27: Technical Report Writing
- SET 28: Woman and Literature
- SET 29: Introduction to Poetry
- SET 30: English literature
- Set 31: English Antonyms
- SET 32: Metaphysical Poetry
- SET 33: 20th Century Novels
- SET 34: English grammar
- SET 35: The art of Poetry
- SET 36: Sentence Structuring
- SET 37: Child Development and Pedagogy
- SET 38: Pedagogy MCQs
- SET 39: More Pedagogy MCQs
- SET 40: TOEFL MCQs
- SET 41: IELTS MCQs
- Grammar and Vocabulary
- English Solved MCQs
- English Speaking M
- English Speaking M



**6. Once getting problem identified with its causes, next step involved in;**

- A. Choosing team lead
- B. Identifying solution to problem
- C. Identifying the problem
- D. All of above

☐ Answer - Click Here:

**D**

**7. We, us and our are examples of;**

- A. Contractions
- B. Pronoun usage
- C. Name usage
- D. Noun

☐ Answer - Click Here:

**B**

**8. A report may be used for?**

- A. Reading
- B. Hearing
- C. Both A and B
- D. None of these

☐ Answer - Click Here:

**C**

**9. A list of illustrations, included; figures and tables, placed on;**

- A. Abstract vision
- B. Title page
- C. Table of contents
- D. Bottom line

☐ Answer - Click Here:

**C**

**10. Last step of writing an effective website, involved in;**

- A. Error correction
- B. Testing the website
- C. Enhancing tone
- D. Overviewing

☐ Answer - Click Here:

**B**

**11. Which of these is not a parameter in a report?**

- A. Extent of information
- B. Quality of information
- C. Age of writer
- D. Ability to acquire information

☐ Answer - Click Here:

C

**12. What audience is the least information needed?**

- A. Low tech audience
- B. Lay audience
- C. High-tech audience
- D. All of above

☐ Answer - Click Here:

C

**Which of the following statements about reports is accurate?**

- a. Informal reports of eight or fewer pages are the most common report in the workplace.
- b. Writers develop reports for internal audiences only.
- c. Business professionals rarely write reports.
- d. Both b and c

☐ Answer - Click Here:

**a. Informal reports of eight or fewer pages are the most common report in the workplace.**

**Which of the following is most likely to be written as an informative report?**

- a. A recommendation from the Information Technology Department that your company install a wireless network
- b. A summary of information presented at a recent conference for technical writers
- c. A comparison of five handheld communication devices that your company might purchase

☐ Answer - Click Here:

**d. A feasibility study addressing tuition reimbursement to all employees**

**Reports that provide data or findings, analyses, and conclusions are**

- a. informational reports.
- b. progress reports.
- c. summaries.
- d. analytical reports.

☐ Answer - Click Here:

**d. analytical reports.**

**Which of the following reports is an example of an analytical report?**

- a. A report summarizing the details of a recent seminar you attended
- b. A report outlining the new company procedure for reporting workplace injuries
- c. A report recommending an antiterrorism security system for mass transit
- d. A report showing state budget allocations for education

☐ Answer - Click Here:

**c. A report recommending an antiterrorism security system for mass transit**

**The direct pattern of organization is appropriate for a business report when**

- a. need to be educated.
- b. must be persuaded.
- c. may be disappointed or hostile
- d. are informed.

☐ **Answer - Click Here:**

**d. are informed.**

**Reports convey information, answer questions, and**

- a. present your opinions.
- b. comply with government regulations.
- c. solve problems
- d. None of these

☐ **Answer - Click Here:**

**c. solve problems**

**Reports that present data without analysis or recommendations are**

- a. justification reports.
- b. analytical reports.
- c. Both an and.
- d. informational reports.

☐ **Answer - Click Here:**

**a. justification reports.**

**If you want to increase your credibility when writing a business report, you should work to**

- (A). provide facts and conclusions that will help decision making.
- (B). support managers' preconceived ideas.
- (C). both A and B
- (D). draw the reader's attention to your writing style.
- (E). None of these

☐ **Answer - Click Here:**

**(A). provide facts and conclusions that will help decision making.**

It is the \_\_\_\_, not the \_\_\_\_, that is the focus of a report using APA writing style.

- (A). data – research
- (B). researcher – research
- (C). research – data
- (D). research – researcher

☐ **Answer - Click Here:**

**(D). research – researcher**

When you're writing a report, be sure to adapt to your audience by

- (A) being sensitive to their needs.

(B) controlling your style and tone.

(C) both a and b.

(D) None of the above.

☐ Answer - Click Here:

**(C) both a and b.**

**When writing an effective essay, using credible information \_\_\_\_\_ for the report.**

(A). provides content

(B).gives credit to sources and upholds ethical writing standards

(C).provides structure

(D).provides support

☐ Answer - Click Here:

**(D).provides support**

**What is the best advice when writing a statement of purpose for a formal report?**

☐ Answer - Click Here:

**The best advice when writing a statement of purpose for a formal report is to use action words that that tell that what you intend to do.**



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# Technical Report Writing Solved MCQs

By:Prof. Fazal Rehman Shamil Last Modified: April 19, 2020

## Technical Report Writing Solved MCQs

1. Which of the following is not a parameter of a report?

- A. Ability to acquire additional information
- B. Quality of additional information acquired
- C. Ability to arrive at a subjective evaluation
- D. Ability to provide worthwhile recommendations

☐ Answer - Click Here:

C

2.A factor, not achieved by collaboration among teams, known as:

- A. Performance measures
- B. Decreased cycle time
- C. Limits costs
- D. All of the above

☐ Answer - Click Here:

D

3. If the goal of writing is to direct action or activity, it is the resulting in communication is known as:

- A. Communicating to instruct
- B. Communicating to inform
- C. Communicating to persuade
- D. Communicating to develop interaction

☐ Answer - Click Here:

A

4. To which of these people is the report not very crucial?

- A. Engineers
- B. Scientists
- C. Teachers
- D. Business executives

☐ Answer - Click Here:

C

5. Which of these reports is raised annually?

- A. Inventory reports
- B. Confidential reports
- C. Laboratory reports
- D. Inspection reports

☐ Answer - Click Here:

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## MCQS ENGLISH

- SET 1: English MCQs
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- SET 25: English MCQs
- SET 26: Technical Report Writing
- SET 27: Technical Report Writing
- SET 28: Woman and Literature
- SET 29: Introduction to Poetry
- SET 30: English literature
- Set 31: English Antonyms
- SET 32: Metaphysical Poetry
- SET 33: 20th Century Novels
- SET 34: English grammar
- SET 35: The art of Poetry
- SET 36: Sentence Structuring
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- SET 40: TOEFL MCQs
- SET 41: IELTS MCQs
- Grammar and Vocabulary
- English Solved MCQs
- English Speaking M
- English Writing



only  
**B**

**6. Which of these is not a part of a report?**

- A. Front matter
- B. Gender
- C. Front cover
- D. Title page

☐ **Answer - Click Here:**

**B**

**7. Which of these reports are used in business?**

- A. Formal [technical reports](#)
- B. Informal reports
- C. Personal reports
- D. Musical reports

☐ **Answer - Click Here:**

**A**

**8. \_\_\_\_\_ report includes breakdown of machinery.**

- A. Feasibility
- B. Periodic
- C. Trouble
- D. Progress

☐ **Answer - Click Here:**

**C**

**9. Which of these forms is not used to write a non-formal report?**

- A. Filling in a blank form
- B. App
- C. Form of a letter
- D. Memorandum

☐ **Answer - Click Here:**

**B**

**10. In which of these forms is a non-formal letter not written?**

- A. Filling in a blank form
- B. Form of a letter
- C. Form of a memorandum
- D. Formal of a notice

☐ **Answer - Click Here:**

**D**

**11. Non- formal report written in the form of a letter is similar to a \_\_\_\_\_.**

- A. Complaint letter
- B. Notice
- C. Friendly letter
- D. Business letter

☐ **Answer - Click Here:**

D

12. A memorandum is almost like a \_\_\_\_\_.

- A. Simple letter
- B. Formal letter
- C. Informal letter
- D None of these

☐ [Answer - Click Here:](#)

A



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## Microsoft MS Word MCQs

**By:** Prof. Fazal Rehman Shamil **Last Modified:** August 5, 2019

### Microsoft MS Word MCQs

#### 1) Which of the following is inserted in cross-word?

- A. Word fields
- B. Bookmarks
- C. Placeholders
- D. Both A and B
- E. None of these

☐ [Answer - Click Here:](#)

**A**

#### 2) What is the Text-styling feature of MS-Word?

- A. WordArt
- B. WordFont
- C. WordColor
- D. All of these

☐ [Answer - Click Here:](#)

**A**

#### 3) Where The Ctrl + N is used to?

- A. Save Document
- B. New Document
- C. Open Document
- D. All of these
- E. None of these

☐ [Answer - Click Here:](#)

**B**

#### 4) Which of the following items are placed at the end of a Document?

- A. Footer
- B. Foot Note
- C. Header
- D. End note
- E. None of these

☐ [Answer - Click Here:](#)

**D**

#### 5) Where we insert a Page Number?

- A. Header
- B. Footer
- C. Length
- D. Both A and B

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☐ Answer - Click Here:

**D**

**6) Which of the following is referred to as Line Spacing?**

- A. The length of the line
- B. The height of the line
- C. The space between the lines of text
- D. A and B
- E. None of these

☐ Answer - Click Here:

**C**

**7) How can we remove or hide Border of a Shape by Selecting?**

- A. No Line
- B. No Outline
- C. White Line
- D. No Border
- E. None of these

☐ Answer - Click Here:

**B**

**8) Where The Footnotes appear in a Document?**

- A. End of document
- B. Bottom line
- C. End of Heading
- D. Bottom of a Page
- E. None of these

☐ Answer - Click Here:

**D**

**9) Which of the following Item is printed at the bottom of each Page?**

- A. Footer
- B. Foot Note
- C. Title
- D. Header
- E. None of these

☐ Answer - Click Here:

**A**

**10) How we can change the Thickness of a Line from .....**

- A. Line width
- B. Line Height
- C. Line Style
- D. All of these
- E. None of these

☐ Answer - Click Here:



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## Microsoft Excel MCQs

**By:** Prof. Fazal Rehman Shamil **Last Modified:** April 19, 2020

### Microsoft Excel MCQs

**1. Which of the following key is used for help in [Ms](#) Excel?**

- (a) F5
- (b) F7
- (c) F3
- (d) F1
- (e) None of these

☐ **Answer - Click Here:**

**D**

**2. Which of the following keys are used to Open tab in Ms Excel?**

- (a) Ctrl+u
- (b) Ctrl+p
- (c) Ctrl+p
- (d) Ctrl+g
- (e) Ctrl+o

☐ **Answer - Click Here:**

**E**

**3. Which of the following key is used to "Goto" tab in Ms Excel?**

- (a) F9
- (b) F7
- (c) F6
- (d) F2
- (e) F5

☐ **Answer - Click Here:**

**E**

**4. Which of the following keys are used to save data in Ms Excel?**

- (a) Ctrl+s
- (b) Ctrl+p
- (c) Ctrl+o
- (d) Ctrl+p
- (e) none of these

☐ **Answer - Click Here:**

**A**

**5. Which of the following key is used to edit in Ms Excel?**

- (a) F1
- (b) F6
- (c) F3
- (d) F2
- (e) none of these

☐ **Answer - Click Here:**

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## MICROSOFT EXCEL MCQS

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**6. Which of the following key is used to Repeat last action in Ms Excel?**

- (a) F9
- (b) F4
- (c) F5
- (d) F9
- (e) none of these

☐ [Answer - Click Here:](#)

**B**

**7. Which of the following key underline the text in Ms Excel?**

- (a) Ctrl+o
- (b) Ctrl+p
- (c) Ctrl+u
- (d) Ctrl+s
- (e) none of these

☐ [Answer - Click Here:](#)

**C**

**8. Which of the following key copy the text in Ms Excel:**

- (a) Ctrl+u
- (b) Ctrl+c
- (c) Ctrl+o
- (d) Ctrl+v
- (e) none of these

☐ [Answer - Click Here:](#)

**B**

**9. Which of the following key close the workbook in Ms Excel?**

- (a) Ctrl+w
- (b) Ctrl+v
- (c) Ctrl+c
- (d) Ctrl+k
- (e) none of these

☐ [Answer - Click Here:](#)

**A**

**10. Which of the following cut the text in Ms Excel?**

- (a) Ctrl+k
- (b) Ctrl+v
- (c) Ctrl+w
- (d) Ctrl+x
- (e) none of these

☐ [Answer - Click Here:](#)

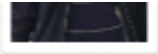
**D**



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## Microsoft Windows MCQs Quizlet bank

**By:** Prof. Fazal Rehman Shamil **Last Modified:** April 19, 2020

### Microsoft Windows MCQs Quizlet bank

1. [Windowing](#) and graphics system implements the...

- a) computer Interface
- b) graphical User Interface
- c) [resource Manager](#)
- d) user Interface
- e) none of these

☐ **Answer - Click Here:**

B

2. In which [year the first operating system](#) was developed?

- a) 1940
- b) 1980
- c) 1910
- d) 1950
- e) none of these

☐ **Answer - Click Here:**

D

3. Which of the following environment subsystems provide different operating system?

- a) services
- b) responsibilities
- c) applications
- d) functions
- e) none of these

☐ **Answer - Click Here:**

C

4. In which year MS-DOS developed?

- a) 1984
- b) 1961
- c) 1991

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e) none of these

☐ **Answer - Click Here:**

A

5. Cache manager is responsible for improving the performance of...

a) I/O device

b) I/O modules

c) programmed I/O

d) file base I/O

e) all of these

☐ **Answer - Click Here:**

D

6. In which of the following view headers and footers are visible?

a) draft view

b) print layout view

c) normal view

d) page layout view

e) none of these

☐ **Answer - Click Here:**

B

7. Which of the following command is used to clear the screen?

a) clear

b) clscreen

c) cls

d) all of these

☐ **Answer - Click Here:**

C

8. What is the process of removing [unwanted part of an image](#)?

a) cropping

b) hiding

c) cutting

d) bordering

e) none of these

☐ **Answer - Click Here:**

9. A window displays various options for shutdown. but in which of the following is suitable at the end of day?

- a) hibernate
- b) shut down
- c) restart
- d) sleep
- e) all of these

☐ **Answer - Click Here:**

B

10. Which of the following internal command are used in Dos?

- a) dir, ren, sys
- b) del , disk copy, label
- c) cls, rd label
- d) time, type, dir
- e) none of these

☐ **Answer - Click Here:**

D

11. What is the text-styling feature of MS word?

- a) word art
- b) word fill
- c) word font
- d) word color
- e) none of these

☐ **Answer - Click Here:**

A

12. What is suitable after you install new drivers?

- a) sleep
- b) hibernate
- c) restart
- d) shut down

☐ **Answer - Click Here:**

C

13. Which of the following items are placed at the end of a document?

- a) end note
- b) footer
- c) header
- d) foot note
- e) all of these

☐ Answer - Click Here:

A



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## Basic Use Of Computer MCQs Quizlet bank

**By:** Prof. Fazal Rehman Shamil **Last Modified:** April 19, 2020

### Basic Use Of Computer MCQs Quizlet bank

1. The term of computer is derived from...?

- a) arabic
- b) latin
- c) german
- d) french
- e) none of these

☐ **Answer - Click Here:**

B

2. What is called a computer monitor?

- a) vdu
- b) cctv
- c) uvd
- d) dvu
- e) none of these

☐ **Answer - Click Here:**

A

3. Who was the father of a babbage computer?

- a) augusta adaming
- b) allen turing
- c) charles babbage
- d) simur cray
- e) none of these

☐ **Answer - Click Here:**

C

4. Which of the following stores more data than a DVD?

- a) red ray disk
- b) CD rom
- c) floppy

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e) none of these

☐ **Answer - Click Here:**

D

5. What are the [basic operations that are performed by a computer?](#)

a) [arithmetic operation](#)

b) logical operation

c) storage and relative

d) none the these

e) all the these

☐ **Answer - Click Here:**

E

6. Eight bits are equals to?

a) kilobyte

b) byte

c) megabyte

d) none of these

e) all of these

☐ **Answer - Click Here:**

B

7. Who was the father of internet?

a) vint cerf

b) denis riche

c) martin cooper

d) charles babbage

e) none of these

☐ **Answer - Click Here:**

A

8. Which of the following type of operating system [MS-DOS](#) is?

a) graphical user interface

b) menu driven interface

c) command line interface

d) multitasking

e) none of these



☐ **Answer - Click Here:**

319 of 464

C

9. What is the result of the output that is given by a computer?

- a) excursion
- b) data
- c) instruction
- d) information
- e) none of these

☐ **Answer - Click Here:**

D

10. What is more manageable type of analog computer?

- a) old-fashioned slide rule
- b) analytical engine
- c) calculator
- d) tabulator
- e) none of these

☐ **Answer - Click Here:**

A

11. What type of technology is used in compact disks?

- a) electro magnetic
- b) laser
- c) electrical
- d) mechanical
- e) none of these

☐ **Answer - Click Here:**

B

12. What is called a lesser computer?

- a) analog computer
- b) micro computer
- c) digital computer
- d) [super computer](#)
- e) none of these

☐ **Answer - Click Here:**

A

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## Basic Use of Computers MCQs (Multiple Choice Questions)

**By:** Prof. Fazal Rehman Shamil **Last Modified:** April 19, 2020

### Basic Use of Computers MCQs (Multiple Choice Questions)

1. CAD stands for?

- a) computer algorithm for design
- b) computer analogue design
- c) computer aided design
- d) computer application in design
- e) none of these

☐ **Answer - Click Here:**

C

2. [Brain](#) of a computer system is called?

- a) control unit
- b) ALU
- c) memory
- d) CPU

☐ **Answer - Click Here:**

D

3. Which is the component of [central processing Unit](#)?

- a) arithmetic logic unit, control unit
- b) arithmetic logic unit, integrated circuits
- c) control unit, monitor
- d) arithmetic logic unit, mouse

☐ **Answer - Click Here:**

A

4. —-is the [father of computer science](#)?

- a) augusta adaming
- b) allen turing
- c) charles babbage
- d) simur cray

☐ **Answer - Click Here:**

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5. What is junk e-mail called?

- a) spool
- b) sniffer script
- c) spam
- d) spoof
- e) none of these

☐ **Answer - Click Here:**

C

7. Which is the example of non-numeric data?

- a) bank balance
- b) employee address
- c) examination score
- d) all of these
- e) none of these

☐ **Answer - Click Here:**

B

8. Which is not anti viruses software?

- a) kaspersky
- b) McAfee
- c) avira
- d) oracle
- e) none of these

☐ **Answer - Click Here:**

D

9. Which of the following [generation computer](#) size was very large?

- a) fourth generation
- b) third generation
- c) first generation
- d) second generation
- e) none of these

☐ **Answer - Click Here:**

C

- a) j. presper eckert and john w mauchly
- b) van-neumann
- c) joseph m. jacquard
- d) all of these
- e) none of these

☐ **Answer - Click Here:**

A

11. What does DOS stands for?

- a) [digital open system](#)
- b) [disk operating system](#)
- c) disk operating session
- d) digital operating system
- e) none of these

☐ **Answer - Click Here:**

B

12. Suggest the name of current CEO of microsoft?

- a) Bill Gates
- b) Bill Clinton
- c) Satya Nadella
- d) Babbage
- e) none of these

☐ **Answer - Click Here:**

C



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## Artificial Intelligence AI question answers

**By:** Prof. Fazal Rehman Shamil **Last Modified:** April 19, 2020

### Artificial Intelligence AI question answers

**1: Which of the following two major aspects of AI combines Planning problem?**

- a) FOL & Logic
- b) Knowledge Based Systems
- c) Search & Logic
- d) Logic & Knowledge Based Systems

☐ [Answer - Click Here:](#)

**C**

**2: Which option is true about Frames is?**

- a) [Data Structure](#)
- b) [Data Type](#)
- c) A way of representing knowledge
- d) None of these

☐ [Answer - Click Here:](#)

**C**

**3: ——— algorithm takes two sentences and returns an unifier...**

- a) Unify algorithm
- b) Depth-first search
- c) Hill-climbing search
- d) Inference

☐ [Answer - Click Here:](#)

**A**

**4: Neural networks is...**

- a) It has set of nodes and connections
- b) Node could be in excited state or non-excited state
- c) Each node computes it's weighted input
- d) All of these

☐ [Answer - Click Here:](#)

**D**

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**5: Information sent from robot sensors to robot controllers is called...**

- a) temperature
- b) signal
- c) pressure
- d) feedback

☐ **Answer - Click Here:**

**D**

**6: Which of the basic parts of a robot?**

- a) end effector
- b) sensor controller
- c) arm
- d) controller

☐ **Answer - Click Here:**

**D**

**7: The study of light?**

- a) Photometry
- b) Biology
- c) Lightology
- d) none of these

☐ **Answer - Click Here:**

**A**

**8: Which of the following is used to increase the brightness of the pixel?**

- a) Amount of light
- b) Surface
- c) Sound
- d) Waves

☐ **Answer - Click Here:**

**A**

**9: The process in which breaking an [image](#) into groups is called...**

- a) Smoothing
- b) Segmentation

c) Edge detection

d) None of these

☐ [Answer - Click Here:](#)

**B**

**10: — is not include in Different learning methods...**

a) Deduction

b) Introduction

c) Memorization

d) Analogy

☐ [Answer - Click Here:](#)

**B**

**11: which does not include in a model of language consists of the categories?**

a) Structural units

b) Role structure of units

c) System constraints

d) Language units

☐ [Answer - Click Here:](#)

**A**

**12: Which of the following is not a horn clause?**

a)  $p \rightarrow q$

b)  $p \rightarrow \emptyset q$

c)  $p$

d)  $\emptyset p \vee q$

☐ [Answer - Click Here:](#)

**B**



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## Internet MCQs Quizlet bank

**By:** Prof. Fazal Rehman Shamil **Last Modified:** April 19, 2020

### Internet MCQs Quizlet bank

1. Which [application layer](#) protocol is not used in internet?

- a) resource reservation protocol
- b) none of the mentioned
- c) internet relay chat
- d) remote procedure call
- e) none of these

☐ **Answer - Click Here:**

A

2. Where internet works on?

- a) circuit switching
- b) packet switching
- c) both packet switching and circuit switching
- d) none of these
- e) all of these

☐ **Answer - Click Here:**

B

3. What is not used in media access control?

- a) fiber distributed data interface
- b) line ethernet
- c) digital subscriber
- d) all of these
- e) none of these

☐ **Answer - Click Here:**

E

4. Suggest the correct format of Email address?

- a) name.website.com
- b) name@website@info
- c) name@website.info

Search

### MCQS

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e) none of these

☐ **Answer - Click Here:**

C

5. HTML is used for?

a) high level program

b) web server

c) [machine language](#) program

d) web page

e) none of these

☐ **Answer - Click Here:**

D

6. What is a Web site's front page /main page is called?

a) home page

b) browser page

c) bookmark

d) search page

e) none of these

☐ **Answer - Click Here:**

A

7. Which is not a [search engine](#)?

a) yahoo

b) windows

c) google

d) bing

e) none of these

☐ **Answer - Click Here:**

B

8. What is the full [form of HTML](#)?

a) hyper text manipulating links

b) hyper text manipulation language

c) hyper text markup language

d) hyper text managing links

e) none of these



☐ **Answer - Click Here:**

329 of 464

C

9. A Computer can be linked to internet through the

- a) cable modem
- b) phone-line modem
- c) DSL
- d) all of these
- e) none of these

☐ **Answer - Click Here:**

D

10. Select one of the following are [top-level computer domains](#) except?

- a) .army
- b) .edu
- c) .org
- d) .gov
- e) none of these

☐ **Answer - Click Here:**

A

11. What is the of metasearch engine?

- a) search.io
- b) polymeta
- c) mamma
- d) none of these
- e) all of these

☐ **Answer - Click Here:**

E

12. Which of the following boolean search operators are?

- a) not
- b) and
- c) or
- d) all of these
- e) none of these

☐ **Answer - Click Here:**

D

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## MS Access MCQs

**By:** Prof. Fazal Rehman Shamil **Last Modified:** April 19, 2020

### MS Access MCQs

1. What are columns called are in a [microsoft access](#) table?

- a) fields
- b) rows
- c) columns
- d) records
- e) none of these

☐ **Answer - Click Here:**

A

2. Select the name of the following is not a field type in Microsoft Access?

- a) hyperlink
- b) lookup wizard
- c) memo
- d) ole Object
- e) none of these

☐ **Answer - Click Here:**

B

3. Suggest the name of feature is used to duplicate a controls formatting?

- a) wizard
- b) control
- c) manager
- d) painter
- e) none of these

☐ **Answer - Click Here:**

D

4. Which is not a type of [relationship that can be applied in access database](#)?

- a) one to one
- b) one to many
- c) many to many

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e) all of these

☐ **Answer - Click Here:**

E

5. Select the name of the following option is a method to create a new table in MS Access?

a) directly entering data

b) using design view

c) create table wizard

d) none of these

e) all of these

☐ **Answer - Click Here:**

E

6. Which of the following is a method to create a query in Microsoft Access?

a) use query wizard

b) drag and drop fields

c) type the SQL

d) all of these

e) none of these

☐ **Answer - Click Here:**

D

7. Which of the following field type can store photos?

a) it is not possible

b) hyperlink

c) both a and b

d) OLE object

e) none of these

☐ **Answer - Click Here:**

D

8. Which queries can be used in MS Access?

a) to view data

b) as source for forms

c) as source for reports

d) none of these

☐ **Answer - Click Here:**

E

9. Select the name of the following shows the final result in a presentable way?

- a) reports
- b) tables
- c) forms
- d) queries
- e) none of these

☐ **Answer - Click Here:**

A

10. Which of the following is the default and maximum size of text field in MS Access?

- a) 8KB and 1.5 MB
- b) 50 And 255 characters
- c) 8 And 1 Gb
- d) 266 & 64000 characters
- e) none of these

☐ **Answer - Click Here:**

B

11. [Select a search value](#) in SQL query can be a specific value?

- a) wild card character
- b) comparison operation
- c) logical operator
- d) relationship
- e) none of these

☐ **Answer - Click Here:**

A

12. Which command is used together [data from database](#)?

- a) reports
- b) tables
- c) queries
- d) forms
- e) none of these

☐ **Answer - Click Here:**



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## Microsoft PowerPoint MCQs

**By:** Prof. Fazal Rehman Shamil **Last Modified:** May 27, 2019

### Microsoft PowerPoint MCQs

#### 1. Which of the following key Open a presentation in PowerPoint?

- (a) Ctrl + O
- (b) Ctrl + k
- (c) Ctrl+ A
- (d) None of these

☐ [Answer - Click Here:](#)

**A**

#### 2. Which of the following key create a new presentation in PowerPoint?

- (a) Ctrl + S
- (b) Ctrl + M
- (c) Ctrl+ N
- (d) None of these

☐ [Answer - Click Here:](#)

**C**

#### 3. Which of the following key save a presentation in PowerPoint?

- (a) Ctrl + N
- (b) Ctrl + S
- (c) Ctrl+ P
- (d) Ctrl+ F
- (e) None of these

☐ [Answer - Click Here:](#)

**B**

#### 4. Which of the following key print a presentation in PowerPoint?

- (a) Ctrl+ C
- (b) Ctrl+ O
- (c) Ctrl+ S
- (d) Ctrl+ P
- (d) None of these

☐ [Answer - Click Here:](#)

**D**

#### 5. Which of the following key close a presentation in PowerPoint?

- (a) Ctrl+ C
- (b) Alt+ S
- (c) Ctrl+ O
- (d) Ctrl+ W
- (e) None of these

☐ [Answer - Click Here:](#)

**D**

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**6. of the following insert a new slide in the presentation in PowerPoint?**

- (a) Ctrl+ I
- (b) Alt+ N
- (c) Ctrl+ M
- (d) None of these

☐ [Answer - Click Here:](#)

**C**

**7. Which of the following key is used for Help in PowerPoint?**

- (a) F4
- (b) F2
- (c) F3
- (d) F1
- (d) None of These

☐ [Answer - Click Here:](#)

**D**

**8. Which of the following key cut text in the presentation in PowerPoint?**

- (a) Ctrl+X
- (b) Ctrl+C
- (c) Ctrl+L
- (d) Ctrl+S
- (e) None of These

☐ [Answer - Click Here:](#)

**A**

**9. Which of the following key copy text in presentation in PowerPoint?**

- (a) Ctrl+P
- (b) Ctrl+C
- (c) Ctrl+X
- (d) Ctrl+F

☐ [Answer - Click Here:](#)

**B**

**10. Which of the following key paste text in presentation in PowerPoint?**

- (a) Ctrl+Y
- (b) Ctrl+Z
- (c) Ctrl+A
- (d) Ctrl+S
- (e) Ctrl+V

☐ [Answer - Click Here:](#)

**E**



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## AI Solved Mcq's

**By:** Prof. Fazal Rehman Shamil **Last Modified:** April 19, 2020

### AI Solved Mcq's

**1: —term used for describing the judgemental and commonsense part of problem-solving...**

- a) critical
- b) heuristic
- c) analytical
- d) value based

☐ [Answer - Click Here:](#)

**B**

**2: Which of the following involves in General games?**

- a) Multi-agent
- b) Single-agent
- c) only Single-agent nor Multi-agent
- d) Neither Single-agent and Multi-agent

☐ [Answer - Click Here:](#)

**C**

**3: Which ways are true to solve the state-space search?**

- a) 3
- b) 0
- c) 2
- d) 6

☐ [Answer - Click Here:](#)

**C**

**4: Backward state-space search main advantage is...**

- a) Action
- b) Relevant Actions
- c) Cost
- d) none of these

☐ [Answer - Click Here:](#)

**B**

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**5: Alpha-beta pruning can be applied in --- depth...**

- a) 10 states
- b) 8 States
- c) any States
- d) Both depth

☐ Answer - Click Here:

**C**

**6: Calculate the feasibility of whole game tree , which [function call](#)?**

- a) Alpha-beta pruning
- b) Transposition
- c) Evaluation function
- d) none of these

☐ Answer - Click Here:

**C**

**7: --- is also known is First Order Logic...**

- a) Lower Order Calculus
- b) First Order Predicate Calculus
- c) Quantification Theory
- d) All of these

☐ Answer - Click Here:

**D**

**8: Logical connectives used to construct the...**

- a) small sentences
- b) complex sentences
- c) Logical sentences
- d) none of these

☐ Answer - Click Here:

**B**

**9: Which of the following system are Forward chaining?**

- a) Data-driven, goal-driven
- b) Data-driven, data-driven
- c) Goal-driven, goal-driven
- d) Goal-driven, data-driven

☐ [Answer - Click Here:](#)

B

**10: --- is the main components of the expert systems...**

- a) Inference Engine & Knowledge Base
- b) Inference Engine
- c) Knowledge Base
- d) all of these

☐ [Answer - Click Here:](#)

A

**11: Semantic Networks used...**

- a) Hyponymy relation
- b) Meronymy relation
- c) Holonymy relation
- d) All of these

☐ [Answer - Click Here:](#)

D

**12: Persistence action means...**

- a) Allow a literal to remain true
- b) Allow a literal to remain false
- c) Allow a literal to remain both a & b
- d) None of these

☐ [Answer - Click Here:](#)

A



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## Data Mining MCQ's

**By:** Prof. Fazal Rehman Shamil **Last Modified:** August 6, 2020

### Data Mining MCQ's Viva Questions

**1: Which of the following applied on warehouse?**

- a) write only
- b) read only
- c) both a & b
- d) none of these

☐ **Answer - Click Here:**

**B**

**2: Data can be store , retrive and updated in ...**

- a) SMTOP
- b) OLTP
- c) FTP
- d) OLAP

☐ **Answer - Click Here:**

**B**

**3: Which of the following is a good alternative to the star schema?**

- a) snow flake schema
- b) star schema
- c) star snow flake schema
- d) fact constellation

☐ **Answer - Click Here:**

**D**

**4: Patterns that can be discovered from a given database are which type...**

- a) More than one type
- b) Multiple type always
- c) One type only
- d) No specific type

☐ **Answer - Click Here:**

**A**

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**5: Background knowledge is...**

- a) It is a form of automatic learning.
- b) A neural network that makes use of a hidden layer
- c) The additional acquaintance used by a learning algorithm to facilitate the learning process
- d) None of these

☐ Answer - Click Here:

**C**

**6: Which of the following is true for Classification?**

- a) A subdivision of a set
- b) A measure of the accuracy
- c) The task of assigning a classification
- d) All of these

☐ Answer - Click Here:

**A**

**7: [Data mining](#) is?**

- a) time variant non-volatile collection of data
- b) The actual discovery phase of a knowledge
- c) The stage of [selecting the right data](#)
- d) None of these

☐ Answer - Click Here:

**B**

**8: ——— is not a data mining functionality?**

- A) Clustering and Analysis
- B) Selection and interpretation
- C) Classification and regression
- D) Characterization and Discrimination

☐ Answer - Click Here:

**B**

**9: Which of the following can also applied to other forms?**

- a) [Data streams](#) & Sequence data
- b) Networked data
- c) Text & Spatial data
- d) All of these

☐ Answer - Click Here:

D

**10: Which of the following is general characteristics or features of a target class of data?**

- a) Data selection
- b) Data discrimination
- c) [Data Classification](#)
- c) [Data Characterization](#)

☐ Answer - Click Here:

D

**11: --- is the out put of KDD...**

- a) Query
- b) Useful Information
- c) Data
- d) information

☐ Answer - Click Here:

B

**12: What is noise?**

- a) component of a network
- b) context of KDD and data mining
- c) aspects of a [data warehouse](#)
- d) None of these

☐ Answer - Click Here:

B

**Data mining is a tool for allowing users to find the hidden relationships in data. True/False**

☐ Answer - Click Here:

True

**Firms that are engaged in sentiment mining are analyzing data collected from?**

- A. social media sites.
- B. in-depth interviews.
- C. focus groups.
- D. experiments.
- E. observations.

☐ Answer - Click Here:



Which of the following forms of data mining assigns records to one of a predefined set of classes?

(A). Classification

(B). Clustering

(C). Both A and B

(D). None

☐ **Answer - Click Here:**

(B). Clustering

**What are the two main objectives associated with data mining?**

☐ **Answer - Click Here:**

to find hidden patterns and trends are the two main objectives associated with data mining

## Next Data Mining MCQs

Next Data Mining MCQs – [Read More](#)



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## Data Mining Solved MCQs With Answers

**By:** Prof. Fazal Rehman Shamil **Last Modified:** April 19, 2020

### Data Mining Solved MCQs With Answers

1. What is the [adaptive system management](#)?

- a) machine language techniques
- b) machine learning techniques
- c) machine procedures techniques
- d) none of these

☐ **Answer - Click Here:**

B

2. An essential process used for applying intelligent methods to extract the data patterns is named as ...

- a) [data mining](#)
- b) [data analysis](#)
- c) data implementation
- d) data computation

☐ **Answer - Click Here:**

A

3. Classification and regression are the properties of...

- a) [data analysis](#)
- b) data manipulation'
- c) data mining
- d) none of these

☐ **Answer - Click Here:**

C

4. A class of learning algorithm that tries to find an optimum classification of a set of examples using the probabilistic theory is named as ...

- a) Bayesian classifiers
- b) Dijkstra classifiers
- c) doppler classifiers
- d) all of these

☐ **Answer - Click Here:**

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5. Which of the following can be used for finding deep knowledge?

- a) stacks
- b) algorithms
- c) clues
- d) none of these

☐ **Answer - Click Here:**

C

6. We define a \_\_\_\_\_ as a subdivision of a set of examples into a number of classes.

- a) kingdom
- b) tree
- c) classification
- d) array

☐ **Answer - Click Here:**

C

7. Group of similar objects that differ significantly from other objects is named as ...

- a) classification
- b) cluster
- c) community
- d) none of these

☐ **Answer - Click Here:**

B

8. Combining different type of methods or information is ....

- a) analysis
- b) computation
- c) stack
- d) hybrid

☐ **Answer - Click Here:**

D

9. What is the name of database having a set of databases from different vendors, possibly using different database paradigms?

- a) homogeneous database
- b) heterogeneous database
- c) hybrid database

d) none of these

☐ **Answer - Click Here:**

B

10. What is the strategic value of data mining?

a) design sensitive

b) cost sensitive

c) technical sensitive

d) time sensitive

☐ **Answer - Click Here:**

D

11. The amount of information with in data as opposed to the amount of redundancy or noise is known as ...

a) paragraph content

b) text content

c) information content

d) none of these

☐ **Answer - Click Here:**

C

12. What is inductive learning?

a) learning by hypothesis

b) learning by analyzing

c) learning by generalizing

d) none of these

☐ **Answer - Click Here:**

C

## Next Data Mining MCQs

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## Digital Image processing MCQ's

**By:** Prof. Fazal Rehman Shamil **Last Modified:** July 20, 2020

### Digital Image processing MCQ's

**1: levels are 8bit image is...**

- a) 128
- b) 255
- c) 512
- d) 256

☐ **Answer - Click Here:**

**D**

**2: Which of the following option is true to Color transformation is processed between the?**

- a) any colour model
- b) tri colour model
- c) dual colour model
- d) single colour model

☐ **Answer - Click Here:**

**D**

**3: Black color in image represented by...**

- a) 1
- b) 0
- c) 256
- d) 259

☐ **Answer - Click Here:**

**B**

**4: Radio wave band is...**

- a) audio
- b) AM & FM
- c) both a and b
- d) none of these

☐ **Answer - Click Here:**

**B**

## MCQS

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**5: --- is called matrix of each element...**

- a) pixels
- b) value
- c) coordinate
- d) dots

☐ **Answer - Click Here:**

**A**

**6: Cornea is covers eye's...**

- a) lashes
- b) eye lid
- c) exterior
- d) anterior

☐ **Answer - Click Here:**

**D**

**7: Zooms types are...**

- a) 9
- b) 6
- c) 2
- d) 4

☐ **Answer - Click Here:**

**C**

**8: Which of the following is not part of membrane?**

- a) cells
- b) retina
- c) choroid
- d) cornea

☐ **Answer - Click Here:**

**A**

**9: Which of the following is Innermost membrane of eye?**

- a) cornea
- b) eye lid
- c) sclera
- d) retina

☐ [Answer - Click Here:](#)

**D**

**10: Radio waves have — — ...**

- a) energy
- b) power
- c) frequency
- d) wavelength

☐ [Answer - Click Here:](#)

**D**

**11: — — types of imaging sensors...**

- a) 5
- b) 4
- c) 3
- d) 6

☐ [Answer - Click Here:](#)

**D**

**12: Gamma rays have — — ...**

- a) energy
- b) power
- c) wavelength
- d) frequency

☐ [Answer - Click Here:](#)

**D**



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## Mobile android applications MCQs

**By:** Prof. Fazal Rehman Shamil **Last Modified:** April 19, 2020

### Mobile android applications MCQs

**1. Android applications signed at the time \_\_\_\_\_.**

- A. before installed
- B. After installed
- C. Both A and B
- D. None of these

☐ **Answer - Click Here:**

**A**

**2. In android application Which file holds to use the internet\_\_\_\_\_.**

- A. create file
- B. Manifest file
- C. system file
- D. None of these

☐ **Answer - Click Here:**

**B**

**3. Specifies the layout of android screen use\_\_\_\_\_file.**

- A. R
- B. manifest
- C. layout
- D. None of these

☐ **Answer - Click Here:**

**C**

**4. \_\_\_\_\_ contains the R.java file.**

- A. src
- B. gen
- C. Both A and B
- D. NOne of these

☐ **Answer - Click Here:**

**B**

**5. In memory, Activity doesn't exist That is\_\_\_\_\_state.**

- A. initial
- B. running
- C. starting
- D. All of these

☐ **Answer - Click Here:**

**C**

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6. Src folder contain\_\_\_\_\_files

- A. [Java source code](#)
- B. XML
- C. manifest
- D. None of these

☐ Answer - Click Here:

**A**

7. user interface use for\_\_\_\_\_

- A. xml
- B. java
- C. c++
- D. Both A and B

☐ Answer - Click Here:

**D**

8.which class store additional information?

- A. Bundle
- B. Data store
- C. Extra
- D. None of these

☐ Answer - Click Here:

**A**

9. In Status data a \_\_\_\_\_use in the android system.

- A. content provider
- B. intents
- C. network
- D. None of these

☐ Answer - Click Here:

**A**

10.\_\_\_\_\_method is used to close an activity

- A. Finish
- B. Stop
- C. Close
- D. None of these

☐ Answer - Click Here:

**A**

## SET 2 : Android applications MCQs – FAQ in Jobs Test

1. To use the Android menu system what method you should override?

- A. on Create Menu()
- B. on Create Options Menu()
- C. Both A & B



- only
- D. on Menu Created()
  - E. on Create Context Menu()
  - F. None of these

☐ **Answer - Click Here:**

B

2. Which is not an Android component of the following?

- A. Layout
- B. Service
- C. Activity
- D. Both A & C
- E. Content Provider
- F. None of these

☐ **Answer - Click Here:**

B

3. \_\_\_\_\_is the first callback method invoked by the system during an Activity life-cycle,?

- A. on Start()
- B. on Stop()
- C. Both A & B
- D. on Create()
- E. on Restore()
- F. None of these

☐ **Answer - Click Here:**

D

4. What does the line of code achieve of the following?  
`Intent intent = new Intent(FirstActivity.this,SecondActivity.class );`

- A. Starts an activity.
- B. Creates a hidden Intent
- C. Creates an implicit Intent
- D. Create an explicit Intent
- E. Both B & C
- F. None of These

☐ **Answer - Click Here:**

A

5. Which is NOT a valid usage for Intents of the following?

- A. Activate and Activity
- B. Activate a Service
- C. Both A & B
- D. Activate a Broadcast receiver
- E. Activate an SQLite DB Connection.
- F. None of these

☐ **Answer - Click Here:**

E

6. Which is not a valid Android resource file name of the following?

- B. mylayout.xml
- C. myLayout.xml
- D. Both B & C
- E. mylayout1.xml
- F. None of these

☐ **Answer - Click Here:**

C

7. \_\_\_\_\_ of the following is not defined as a [process state](#)?

- A. Visible
- B. Non-visible
- C. Both A & B
- D. Foreground
- E. Background
- F. None of these

☐ **Answer - Click Here:**

B

8. Which folder that contains the R.java file of the following?

- A. res
- B. src
- C. Both B & D
- D. bin
- E. gen
- F. None of these

☐ **Answer - Click Here:**

E

9. Which is a correct statement about an XML layout file of the following?

- A. A file that is used to draw the content of an Activity
- B. A layout PNG image file
- C. Both A & B
- D. A file that contains all application permission information
- E. A file that contains a single activity widget.
- F. None of these

☐ **Answer - Click Here:**

A

10. The src folder contains \_\_\_\_\_ of the following?

- A. Image and icon files
- B. XML resource files
- C. Both A & B
- D. The application manifest file
- E. Java source code files
- F. None of these

☐ **Answer - Click Here:**

E

11. \_\_\_\_\_ is the parent class of all Activity widgets?

- A. View
- B. ViewGroup
- C. Layout
- D. Both A & C
- E. Widget
- F. None of these

☐ **Answer - Click Here:**

A

12. \_\_\_\_\_ is the name of the class used by Intent to store additional information?

- A. Parcelable
- B. Extra
- C. Both A & B
- D. Bundle
- E. DataStore
- F. None of these

☐ **Answer - Click Here:**

D

13. \_\_\_\_\_ is not included in the Android application framework?

- A. Notification Manager
- B. Window Manager
- C. Both A & B
- D. Dialer Manager
- E. Package Manager
- F. None of these

☐ **Answer - Click Here:**

D

14. Which Eclipse plugin is required to develop Android application?

- A. Android Software Development Kit
- B. J2EE
- C. Both A & B
- D. Android Development Tools
- E. [Web Development](#) Tools
- F. None of these

☐ **Answer - Click Here:**

D

15. \_\_\_\_\_ of these files contains text values that you can use in your application?

- A. AndroidManifest.xml
- B. res/Text.xml
- C. res/layout/Main.xml
- D. Both B & C
- E. res/values/strings.xml
- F. None of these

☐ **Answer - Click Here:**

E

16. The Android project folder "res/" contain\_\_\_\_\_?

- A. Resource files
- B. Java Activity classes
- C. Both A & B
- D. Java source code
- E. Libraries
- F. None of these

☐ **Answer - Click Here:**

A

17. Which is a Java call-back method invoked when a view is clicked of the following?

- A. Detector
- B. OnTouchListener
- C. Both A & B
- D. OnClickListener
- E. OnClickDetector
- F. None of these

☐ **Answer - Click Here:**

E

18. Which is not an Activity lifecycle call-back method of the following?

- A. onStart
- B. onCreate
- C. Both A & B
- D. onPause
- E. onBackPressed
- F. None of these

☐ **Answer - Click Here:**

E



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## Introduction to Computing ITC MCQs

**By:** Prof. Fazal Rehman Shamil **Last Modified:** April 19, 2020

### Introduction to Computing ITC MCQs

#### 1. Deep blue is a

- a) mobile
- b) scanner
- c) computer
- d) all of these

☐ [Answer - Click Here:](#)

**C**

#### 2. [Communication protocol](#) is a \_\_\_\_\_ to govern the flow of the information over a network.

- a) set of information
- b) set of instructions
- c) set of rules
- d) none of these

☐ [Answer - Click Here:](#)

**C**

#### 3. Teletypewriter terminal is a ...

- a) output device
- b) input/output device
- c) input device
- d) none of these

☐ [Answer - Click Here:](#)

**B**

#### 4. The programming language designed for military applications was ...

- a) Ada
- b) C++
- c) C#
- d) VISUAL BASIC

☐ [Answer - Click Here:](#)

**A**

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**5. Punched cards were replaced by ...**

- a) CD's
- b) magnetic tapes
- c) floppy disk
- d) zip drives

☐ **Answer - Click Here:**

**B**

**6. TCP is abbreviated as ...**

- a) Transmission Control Protocol
- b) Transfer Control Protocol
- c) Transformation Commision Principles
- d) Translation Control Principles

☐ **Answer - Click Here:**

**A**

**7. The brain of [computer microprocessor](#) is ...**

- a) arithmetic logic unit
- b) control unit
- c) bus interface unit
- d) none of these

☐ **Answer - Click Here:**

**B**

**8. [Babbage's analytical engine](#) uses \_\_\_\_\_ for storing information permanently.**

- a) magnetic tapes
- b) punched cards
- c) floppy disks
- d) none of these

☐ **Answer - Click Here:**

**C**

**9. The place where large amount of information stored outside the CPU is ...**

- a) ALU
- b) backing store
- c) peripherals



☐ Answer - Click Here:

**B**

**10. Instructions having [arithmetic operations](#), then it's data is transfered to ...**

- a) register
- b) [central processing unit](#)
- c) arithmetic and logic unit
- d) none of these

☐ Answer - Click Here:

**C**

**11. Teraflop stands for ...**

- a) Trillion floating point operations per second
- b) Thousand floating point operations per second
- c) Thousand floating point operations per hour
- d) Trillion floating point operations per hour

☐ Answer - Click Here:

**A**

**12. Monitor is a ...**

- a) output device
- b) input device
- c) input /output device
- d) none of these

☐ Answer - Click Here:

**A**



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## Ontology Engineering Multiple Choice Questions

**By:** Prof. Fazal Rehman Shamil **Last Modified:** May 27, 2019

### Ontology Engineering Multiple Choice Questions

**1. What is the relationship between vocabulary to represent different concepts is classified into\_\_\_\_\_:**

- A. glossary
- B. thesaurus
- C. dictionary
- D. all of above
- E. none of these

☐ **Answer - Click Here:**

**D**

**2. Web is classified into \_\_\_\_\_ when Web project which allows exchange of information among different computers.**

- A. segregate web
- B. semantic web
- C. aggregate web
- D. conceptual web

☐ **Answer - Click Here:**

**B**

**3. What is the Best online ontologies repository is known as \_\_\_\_\_**

- A. Dwoogle
- B. Google
- C. Swoogle
- D. Owoogle

☐ **Answer - Click Here:**

**C**

**4. DLP is stand for...**

- A. intersection of OWL and Horn logic
- B. intersection of OWL and RDF
- C. Union of OWL and Horn logic
- D. union of OWL and RDF

☐ **Answer - Click Here:**

**A**

**5. What happened In OWL ontology development, maximum number of restriction for an object can be achieved by...**

- A. owl:minCardinality
- B. owl:maxCardinality
- C. owl: Cardinality
- D. owl: Restriction

☐ **Answer - Click Here:**

**C**

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**6. Which one the following is correct for Acronym XQuery:**

- A. Extended Query
- B. XML Query Language
- C. Extended Query Language
- D. XML Query

☐ Answer - Click Here:

**B**

**7. Owl have how many sub language\_\_\_\_\_**

- A. six
- B. two
- C. three
- D. five

☐ Answer - Click Here:

**C**

**8. What is the approach to handle ontology mapping based on techniques that exploit statistical association is called**

- A. Statistical Methods
- B. Structural Methods
- C. Logical Methods
- D. Linguistic methods

☐ Answer - Click Here:

**A**

**9. Which optional reference to external structure document and XML declaration is part of?**

- A. tags
- B. epilogue
- C. prolog
- D. lements

☐ Answer - Click Here:

**C**

**10. Which of the Vertical product is a problem of?**

- A. Openacademia
- B. Elsevier
- C. E-Learning
- D. Bibster

☐ Answer - Click Here:

**B**

**11. During the SPARQL, where statement enforces the\_\_\_\_\_**

- A. join
- B. injection
- C. choice
- D. constraints

☐ Answer - Click Here:

**D**

**12. What is the function of the Acronym of W3C?**

- A. Web Consortium
- B. Wild Wide Web Consortium
- C. Internet Consortium
- D. World Wide Web Consortium

☐ Answer - Click Here:

**D**

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## Real Time System MCQs

**By:** Prof. Fazal Rehman Shamil **Last Modified:** April 20, 2020

### Real-Time System MCQs

#### 1. What is the Real-time systems?

- A. Used for monitoring events as they occur
- B. Primarily used on [mainframe computers](#)
- C. Used for real-time interactive users
- D. Used for program development

☐ [Answer - Click Here:](#)

A

#### 2. The \_\_\_\_\_ Operating System pays more attention to the meeting of the [time](#) limits.

- A. Network
- B. Distributed
- C. Online
- D. Real-time

☐ [Answer - Click Here:](#)

D

#### 3. In real time operating system is \_\_\_\_\_

- A. kernel is not required
- B. [process scheduling](#) can be done only once task
- C. must be serviced by its deadline period
- D. all processes have the same priority

☐ [Answer - Click Here:](#)

C

#### 4. The [interrupt](#) latency should be \_\_\_\_\_ for real time operating systems.

- A. maximum
- B. minimal
- C. dependent on the scheduling
- D. zero

☐ [Answer - Click Here:](#)

B

#### 5. Which [scheduling](#) amount of CPU time is allocated to each process?

- A. equal share scheduling
- B. none of the mentioned
- C. earliest deadline first scheduling
- D. proportional share scheduling

☐ [Answer - Click Here:](#)

D

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only 6. What is the Use of the robot by car manufacturing companies the example of...

365 of 464

- A. applicant controlled computers
- B. user-controlled computers
- C. machine controlled computers
- D. [network](#) controlled computers

☐ Answer - Click Here:

**C**

7. When the System [processes](#) data instructions without any delay is called as

- A. online system
- B. real-time system
- C. instruction system
- D. offline system

☐ Answer - Click Here:

**B**

8. Which single task of a particular application is process is a type of processor...

- A. applicant processor
- B. one task processor
- C. [real time](#) processor
- D. dedicated processor

☐ Answer - Click Here:

**D**

9. The Designing of system take into considerations of\_\_\_\_\_.

- A. operating system
- B. communication system
- C. hardware
- D. all of the above
- E. none of these

☐ Answer - Click Here:

**D**

10. The Time duration required for scheduling dispatcher to stop one process and start another is called...

- A. dispatch latency
- B. process latency
- C. interrupt latency
- D. execution latency

☐ Answer - Click Here:

**A**

11. Which of the following is correct in real time?

- A. non preemptive kernels
- B. preemptive kernels
- C. neither preemptive nor non preemptive kernels
- D. preemptive kernels or non preemptive kernels

☐ Answer - Click Here:

**B**



12. Which of the following is Preemptive, priority based scheduling guarantees?

- A. protection of memory
- B. hard real-time functionality
- C. soft real-time functionality
- D. all of the above
- E. none of these

☐ Answer - Click Here:

C



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## Multimedia System MCQs

**By:** Prof. Fazal Rehman Shamil **Last Modified:** April 20, 2020

### Multimedia System MCQs

**1. What type of multimedia file is delivered to the client?**

- A. progressive download
- B. compression
- C. real-time streaming
- D. all of the above
- E. none of the mentioned

☐ **Answer - Click Here:**

**C**

**2. Characteristic of a multimedia system has followed which of the following?**

- A. high data rates
- B. low rates
- C. high storage
- D. both A & C
- E. none of the mentioned

☐ **Answer - Click Here:**

**D**

**3. When a delay occurs during the playback of the stream is known as.....**

- A. jitter
- B. event delay
- C. stream delay
- D. playback delay

☐ **Answer - Click Here:**

**A**

**4. We get \_\_\_\_\_ impression, If frames are displayed on screen fast enough.**

- A. Bits
- B. Signals
- C. Motions
- D. Packets

☐ **Answer - Click Here:**

**C**

**5. Where this range occurs H.323 uses G.71 or G.723.1...**

- A. Communication
- B. Compression
- C. Conferencing
- D. Controlling

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B

**6. Whenever the system receives the signal, a translator is needed to decode the signal and encode it \_\_\_\_\_ quality.**

- A. Same
- B. Bad
- C. High
- D. Lower

☐ Answer - Click Here:

D

**7. CineBlitz multimedia server supports \_\_\_\_\_ clients.**

- A. non-real time clients
- B. real-time clients
- C. none of the mentioned
- D. both A & B

☐ Answer - Click Here:

D

**8. Which of the following is correct in the multimedia system require [hard real-time](#) scheduling to**

- A. deliver the media file to the client
- B. ensure critical tasks will be serviced within timing deadlines
- C. security
- D. minimize the delay

☐ Answer - Click Here:

B

**9. In file server which of the following resource is not required.?**

- A. processor
- B. secondary storage
- C. monitor
- D. network

☐ Answer - Click Here:

C

**10. In Session Initiation Protocol (SIP) establishing session requires three way\_\_\_\_\_.**

- A. Handshake
- B. Ports
- C. System
- D. Protocols

☐ Answer - Click Here:

A

**11. Which of the method is correct for the Moving Picture Experts Group (MPEG) is used to compress**

- A. Audio
- B. Video
- C. Frames
- D. Images

☐ Answer - Click Here:

**B**

**12. During Compression Audio and Video, each frame is divided into small grids, called picture elements or**

- A. Pixels
- B. Mega Pixels
- C. Frame
- D. Packets

☐ Answer - Click Here:

**A**



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## Mobile and Wireless Network MCQs

**By:** Prof. Fazal Rehman Shamil **Last Modified:** April 20, 2020

### Mobile and Wireless Network MCQs

**1. The IEEE 802.11 defines basic service set as a building block of wireless is...**

- A. WAN
- B. LAN
- C. MAN
- D. All of these

☐ [Answer - Click Here:](#)

**B**

**2. There are many hidden stations in a wireless LAN, so we did not detect the...**

- A. Collision
- B. Frames
- C. Data
- D. Signal

☐ [Answer - Click Here:](#)

**A**

**3. A set that makes stationary or mobile wireless station and also has an optional central base station is known as...**

- A. Extended service set
- B. Access point
- C. Basic service set
- D. Network point set

☐ [Answer - Click Here:](#)

**C**

**4. The transmission Wireless is divided into how many groups**

- A. 8 broad groups
- B. 2 broad groups
- C. 5 broad groups
- D. 3 broad groups

☐ [Answer - Click Here:](#)

**D**

**5. WPA stands for?**

- A. wired protected access
- B. wi-fi protected access
- C. wi-fi process access
- D. wired process access

Search

## NETWORKING MCQS

SET 1: Transmission and switching

SET 2: Telecommunication

SET 3: Networking Programming

SET 4: Networking

SET 5: Networking

SET 6: Network Security

SET 7: Network

SET 8: Networks

SET 9: Digital Communication

SET 10: Internet Protocols

**B**

**6. Which one of the following events is not possible in wireless LAN...**

- A. collision detection
- B. acknowledgment of data frames
- C. multi-mode [data transmission](#)
- D. none of the mentioned

☐ Answer - Click Here:**D**

**7. To identify and secure merchandise, What is the wireless communications technology used in retail operations?**

- A. UNII
- B. ISM
- C. RFID
- D. Micro Sensors

☐ Answer - Click Here:**A**

**8. [WLAN device](#) is installed in or attached to a PC to provide an interface to a wireless network is \_\_\_\_\_.**

- A. Access Point
- B. Network Adaptor
- C. Repeater
- D. Antenna

☐ Answer - Click Here:**B**

**9. Which term is used to describe the ability to network devices from different manufacturers to communicate effectively?**

- A. Scalable
- B. Interoperable
- C. Accessible
- D. Portable

☐ Answer - Click Here:**A**

**10. What the FCC's RF bands operate in the frequency range of 2.4 GHz to 2.4835 GHz \_\_\_\_\_.**

- A. SOHO
- B. UNII
- C. ISM
- D. RFID

☐ Answer - Click Here:**B**



**11. When deciding between a WLAN and a wired LAN beyond the network medium, Which one of the following is not a consideration?**

- A. Ease of installation
- B. Scalability
- C. RF Interferences
- D. Flexibility

☐ [Answer - Click Here:](#)

**C**

**12. What is the acronym for International Organization for Standardization is\_\_\_\_\_.**

- A. SIO
- B. ISO
- C. SOI
- D. IOS

☐ [Answer - Click Here:](#)

**B**



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## Graph Algorithms Solved MCQs With Answers

**By:** Prof. Fazal Rehman Shamil **Last Modified:** April 20, 2020

### Graph Algorithms Solved MCQs With Answers

1. How many vertices are there in a complete graph with n vertices?

- a)  $(n*(n-1))/2$
- b)  $(n*(n+1))/2$
- c)  $n+1$
- d) none of these

☐ **Answer - Click Here:**

A

2. We use Dijkstra's Algorithm to ...

- a) non-weighted non-negative
- b) weighed non-negative
- c) weighted positive
- d) non-weighted positive

☐ **Answer - Click Here:**

C

3. What is the result if total time is bound of in prim's algorithm?

- a)  $O(m+n \log n)$
- b)  $O(m \log n)$
- c)  $O(n \log n)$
- d) none of these

☐ **Answer - Click Here:**

A

4. What will be the sum of degrees of each vertices for undirected graph G if it has n vertices and e edges?

- a)  $2e$
- b)  $2ne$
- c)  $ne$
- d) none of these

☐ **Answer - Click Here:**

A

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### MCQS

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5. Which [data structure](#) will be used for implementing dijkstra's shortest path algorithm on unweighted graph in a way that it also run linearly?

- a) tree
- b) queue
- c) stack
- d) heap

☐ **Answer - Click Here:**

B

6. In [queue which method is applied for storing data?](#)

- a) LIFO
- b) FIFO
- c) both
- d) none of these

☐ **Answer - Click Here:**

B

7. We use a circular [linked list](#) for stack as well as for ...

- a) binary tree
- b) queue
- c) heap
- d) array

☐ **Answer - Click Here:**

B

8. What is the minimum number of spanning tree in a connected graph?

- a) 1
- b) 2
- c) 3
- d) none of these

☐ **Answer - Click Here:**

A

9. How quick [sort partition an array](#) ?

- a) double element
- b) pivot element
- c) couple element

☐ **Answer - Click Here:**

B

10. Why graph traversal is difficult than tree traversal ?

- a) because tree have root
- b) because tree is binary
- c) because tree is undefined
- d) all of these

☐ **Answer - Click Here:**

A

11. Which of the following means computing the reachability of all the vertices?

- a) transitive hull
- b) safest path
- c) minimum distance
- d) maximum distance

☐ **Answer - Click Here:**

A

12. An un weighted, connected or disconnected is a \_\_\_\_

- a) weighted graph
- b) unweighted graph
- c) simple graph
- d) none of these

☐ **Answer - Click Here:**

C



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## Basic Use of Computer MCQs

**By:** Prof. Fazal Rehman Shamil **Last Modified:** April 20, 2020

### Basic Use of Computer MCQs

1. What is a lesser computer?

- a) analog computer
- b) [super computer](#)
- c) micro computer
- d) digital computer
- e) none of these

☐ **Answer - Click Here:**

A

2. What is the used of an ATM?

- a) watching movies
- b) withdrawing cash
- c) budget making
- d) record keeping
- e) none of these

☐ **Answer - Click Here:**

B

3. What was the starting time of computer in eduction?

- a) 1990s
- b) 1960s
- c) 1970s
- d) 1980s
- e) noe of these

☐ **Answer - Click Here:**

C

4. Which of the following facility provide by many banks?

- a) CAM
- b) CBT
- c) CAD

Search

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e) none of these

☐ **Answer - Click Here:**

D

5. What does MICR stands for?

a) magnetic ink character reader

b) magic in character redo

c) magnetic ink chart receipt

d) magnetic ink character recorder

e) none of these

☐ **Answer - Click Here:**

A

6. select the name which is not an example of e-commerce?

a) online education

b) electronic banking

c) online chatting

d) electronic shopping

e) none of these

☐ **Answer - Click Here:**

C

7. CAT stands for?

a) computer adaptive test

b) computerized axial topography

c) computer aided topography

d) computer aided translation

e) none of these

☐ **Answer - Click Here:**

B

8. Select the name of following which is not included in document management system?

a) e-shopping

b) word processing

c) word processing

d) reprographic



☐ **Answer - Click Here:**

A

9. What is the example of automatic programmable machine?

- a) CAM
- b) CAD
- c) ATM
- d) ROBOT
- e) none of these

☐ **Answer - Click Here:**

D

10. CAL stands for?

- a) computer and learning
- b) computer aided learning
- c) computer assist learning
- d) computer added learning
- e) none of these

☐ **Answer - Click Here:**

B

11. What are the benefits of using computers?

- a) storage
- b) speed
- c) reliable
- d) none of these
- e) all of these

☐ **Answer - Click Here:**

E

12. In which field fly-by-wire system is used in computer?

- a) education field
- b) medical field
- c) business field
- d) airline
- e) none of these

☐ **Answer - Click Here:**

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## Engineering Drawing (CAD) MCQs Quizlet Bank

**By:** Prof. Fazal Rehman Shamil **Last Modified:** May 27, 2019

### Engineering Drawing (CAD) MCQs Quizlet Bank

#### 1. Which one represents a reducing scale?

- A. 10:1
- B. 2:1
- C. 1:2
- D. 1:1

☐ [Answer - Click Here:](#)

**C**

#### 2. Which one is used for visible outlines?

- A. Continuous thin
- B. Continuous thick
- C. Short zigzag thin
- D. Chain thin line

☐ [Answer - Click Here:](#)

**B**

#### 3. Which one is used for dimension line?

- A. Chain thin line
- B. Short zigzag thin
- C. Continuous thick
- D. Continuous thin

☐ [Answer - Click Here:](#)

**D**

#### 4. There is a dotted line which represents?

- A. Centre line
- B. Hatching line
- C. Hidden edges
- D. Projection line

☐ [Answer - Click Here:](#)

**C**

#### 5. There is a metric thread of 10mm diameter and it is represented by?

- A. M10
- B. 10M
- C. M<sup>10</sup>
- D. None of the above

☐ [Answer - Click Here:](#)

**A**

#### 6. There is a 'Representative fraction' (RF) and it is defined as?

- A. The actual length of the object / Length of an object in the drawing

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- B. Isometric length of the object / Length of an object in the drawing  
C. Length of an object in the drawing / Actual length of the object  
D. Length of an object in the drawing / Isometric length of the object

☐ Answer - Click Here:

C

**7. There are two arms of the drafter and it remains at?**

- A. 180°  
B. 270°  
C. 45°  
D. 90°

☐ Answer - Click Here:

D

**8. Which one compass is used to draw very large circles?**

- A. Bow  
B. Drop  
C. Beam  
D. Large

☐ Answer - Click Here:

C

**9. What is the designation of a sheet of size 594 x 841?**

- A. A1  
B. A0  
C. A3  
D. A2

☐ Answer - Click Here:

A

**10. Which one is the softest pencil?**

- A. HB  
B. 1B  
C. 2B  
D. None of these

☐ Answer - Click Here:

C



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## Embeded System Solved MCQs Question Answers

**By:** Prof. Fazal Rehman Shamil **Last Modified:** April 20, 2020

### Embedded System Solved MCQs Question Answers

#### 1. Which one of the following are header files?

- A. proc()
- B. truct()
- C. files
- D. #include

☐ Answer - Click Here:

**D**

#### 2. The standard C compiler used for the UNIX systems...

- A. cc
- B. sc
- C. simulator
- D. compiler

☐ Answer - Click Here:

**A**

#### 3. Which type of non-privileged processor mode is entered due to the raising of the high priority of an interrupt?

- A. Supervisor Mode (SVC)
- B. Interrupt Mode (IRQ)
- C. Fast Interrupt Mode (FIQ)
- D. [User mode](#)

☐ Answer - Click Here:

**C**

#### 4. Where the Abort mode generally enters when \_\_\_\_\_?

- A. undefined instructions are to be handled
- B. ARM processor is on rest
- C. low priority interrupt is raised
- D. an attempt [access memory](#) fails

☐ Answer - Click Here:

**D**

#### 5. Which one of the following is also called a loader?

- A. linker
- B. locator
- C. compiler
- D. assembler

☐ Answer - Click Here:

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**6. Mention that which one of the following gives the final control to the programmer..?**

- A. linker
- B. compiler
- C. locator
- D. simulator

☐ Answer - Click Here:

**A**

**7. Which assembler option is used to turn off long or short address optimization?**

- A. -m
- B. -o
- C. -n
- D. -V

☐ Answer - Click Here:

**B**

**8. Which of the following allows the [reuse of the software](#) and the hardware components...?**

- A. peripheral design
- B. input design
- C. platform-based design
- D. memory design

☐ Answer - Click Here:

**C**

**9. Embedded systems applications typically involve processing information as**

\_\_\_\_\_

- A. Distance
- B. Signals
- C. Block level
- D. Logical volumes

☐ Answer - Click Here:

**A**

**10. The following is the design in which both the hardware and software are considered during the design.**

- A. software/hardware codesign
- B. peripheral design
- C. platform-based design
- D. memory based design

☐ Answer - Click Here:

**A**



- A. accessing peripheral through an interface
- B. address programming interface
- C. address programming interface
- D. application programming interface

☐ Answer - Click Here:

C

## 12. The loops are interchangeable, in which design activity...?

- A. hardware/software partitioning
- B. high-level transformation
- C. scheduling
- D. compilation

☐ Answer - Click Here:

B



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## Software Engineering Requirement MCQs

**By:** Prof. Fazal Rehman Shamil **Last Modified:** April 20, 2020

### Software Engineering Requirement MCQs

**1. Which of the following is correct for the types of requirements?**

- A. Reliability
- B. Availability
- C. Usability
- D. All of the above

☐ [Answer - Click Here:](#)

**D**

**2. Select the developer-specific requirement?**

- A. Availability
- B. Portability
- C. Usability
- D. Maintainability
- E. Both B & D

☐ [Answer - Click Here:](#)

**E**

**3. The following is not a step of requirement engineering?**

- A. design
- B. elicitation
- C. documentation
- D. analysis

☐ [Answer - Click Here:](#)

**A**

**4. What is abbreviation of FAST?**

- A. Functional Application Specification Technique
- B. Facilitated Application Specification Technique
- C. Fast Application Specification Technique
- D. None of the mentioned

☐ [Answer - Click Here:](#)

**B**

**5. Symbolic representation of QFD is...**

- A. quality function development
- B. quality function deployment
- C. quality function design
- D. none of the mentioned

☐ [Answer - Click Here:](#)

**B**

**6. What are the system requirement of the documents..?**

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- A. SRS
- B. SDD
- C. SRD
- D. DDD

☐ Answer - Click Here:

**A**

**7. The most important stakeholder is\_\_\_\_\_:**

- A. Middle-level stakeholder
- B. Entry level personnel
- C. Users of the software
- D. Managers

☐ Answer - Click Here:

**C**

**8. Which of these steps is includes in the [Requirement engineering](#) process...**

- A. Requirement Gathering
- B. Feasibility study
- C. Validation
- D. Both A & B

☐ Answer - Click Here:

**D**

**9. In the elicitation process, the developers discuss with the client and end users and know their expectations for the software.**

- A. Organizing requirements
- B. Requirement gathering
- C. Negotiation & discussion
- D. Documentation

☐ Answer - Click Here:

**B**

**10. Which the process to gather the software requirements from the client, analyze and document them is known as.....**

- A. Software system analyst
- B. User interface requirements
- C. Requirement elicitation process
- D. Requirement engineering process

☐ Answer - Click Here:

**D**

**11. How the interviews held between two persons across the table is..**

- A. Written
- B. Non-structured
- C. One-to-one
- D. Group

☐ Answer - Click Here:

**C**

**12. The computer-based system can have a profound effect on the design that**

only  
Is chosen and also the implementation approach will be applied.

387 of 464

- A. Behavioral elements
- B. Flow-oriented elements
- C. Scenario-based elements
- D. Class-based elements

☐ Answer - Click Here:

**A**



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## Software quality Assurance MCQ's

**By:** Prof. Fazal Rehman Shamil **Last Modified:** May 27, 2019

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### Software quality Assurance MCQ's

#### 1. Which quality is measured as a foundation of requirement...?

- a) Hardware
- b) Programmers
- c) Software
- d) None of the mentioned

☐ **Answer - Click Here:**

c

#### 2. Select which option is not true about SQA...?

- a) Audits and reviews to be performed by the team
- b) Amount of technical work to be performed
- c) Evaluations to be performed
- d) Documents that are produced by the SQA team.

☐ **Answer - Click Here:**

c

#### 3. A product which is manufactured by using the degree of the design specification...

- a) Quality of conformance
- b) Quality Control
- c) Quality Assurance
- d) None of the above.

☐ **Answer - Click Here:**

a

#### 4. Software quality assurance consists of which function of management.

- a) reporting functions
- b) auditing functions
- c) both and b
- d) all of the above

☐ **Answer - Click Here:**

c

#### 5. Which of the following is not included in prevention cost?

- a) equipment calibration and maintenance
- b) formal technical reviews
- c) test equipment reviews
- d) quality planning reviews


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a

**6. Select what is the primary objective of formal technical reviews to find during the process so that after the release of the software they do not become the defect...**

- a) failure
- b) faults
- c) errors
- d) none of the mentioned

☐ Answer - Click Here:

c

**7. Select the people who identify the document and verifies the correctness of the software...**

- a) Project manager
- b) SQA team
- c) Project team
- d) All of the mentioned

☐ Answer - Click Here:

b

**8. Select the option which is not an appraisal in SQA?**

- a) inter-process inspection
- b) maintenance
- c) testing
- d) quality planning

☐ Answer - Click Here:

d

**9. Select which one is not an External failure costs?**

- a) testing
- b) helpline support
- c) warranty work
- d) complaint resolution

☐ Answer - Click Here:

a

**10. What happened if an expected result is not specified then**

- a. we cannot run the test
- b. we cannot automate the user input values
- c. it may be difficult to determine if the test has passed or failed
- d. it may difficult to repeat the test

☐ Answer - Click Here:

d

**11. Loop Testing methodology includes which of the following.**

- a. Simple Loops
- b. Nested Loops
- c. Concatenated Loops
- d. All of the above



d

**12. Faults are found most cost-effectively in which test activity?**

- a. design
- b. execution
- c. planning
- d. Check Exit criteria completion

☐ Answer - Click Here:

c

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## Software Testing MCQ'S

**By:** Prof. Fazal Rehman Shamil **Last Modified:** May 27, 2019

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### Software Testing MCQ'S

1. Which of the following is considered as the component testing.

- a) Black box testing
- b) Grey box testing
- c) White box testing
- d) Both a and b

☐ **Answer - Click Here:**

**c**

2. component testing is responsible of which of the person

- a) Software tester
- b) Designer
- c) Developer
- d) User

☐ **Answer - Click Here:**

**c**

3. which level of testing is used to identifying the defects ...

- a) Acceptance testing
- b) Integration testing
- c) Unit testing
- d) System Testing

☐ **Answer - Click Here:**

**c**

4. Which phase is considered as software architecture phase..

- a) Design
- b) Implementation
- c) Development
- d) Requirement gathering

☐ **Answer - Click Here:**

**a**

5. Which of the following is not a method of dynamic testing...

- a) inspection
- b) System testing, UAT
- c) Inspection, Walk through, Technical review
- d) Unit Testing

☐ **Answer - Click Here:**

**c**



### MCQS

MCQs – Database Systems

MCQs – Computer Network

MCQs Data Structures

MCQs-Computer Science Basics

MCQs – Computer Science

MCQs – English

MCQs – Biology

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MCQs – Management Sciences

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MCQs – Communication skills

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Philosophy Of Science

**6. As per specified requirements Which testing is concerned as the behavior of the whole product ?**

- a) Acceptance testing
- b) Component testing
- c) Integration testing
- d) System testing

☐ **Answer - Click Here:**

**d**

**7. Test level is performed in which level...**

- a) It depends on nature of a project.
- b) Unit ,System, Integration,Acceptance
- c) Unit, Integration, Acceptance, System
- d) Unit,Integration, System,Acceptance

☐ **Answer - Click Here:**

**d**

**8. In which phase the defect is less costly...**

- A. Coding
- B. Design
- C. Requirements Gathering
- D. Implementation

☐ **Answer - Click Here:**

**C**

**9. Acceptance testing through which user is satisfied is considered as which of the following...**

- a. White box testing
- b. Gray box testing
- c. Black box testing
- d. None of the above

☐ **Answer - Click Here:**

**C**

**10. Training cost fall in which phase ...**

- a. Failure
- b. Prevention
- c. Build
- d. Appraisal

☐ **Answer - Click Here:**

**b**

**11. Test Readiness is conducted in which phase...**

- a. project manager
- b. test manager
- c. quality assurance
- d. user or customer

☐ **Answer - Click Here:**

**c**

12. Select which measurement taken by the two people are same refers to the term which is called as...

- a. reliability
- b. validity
- c. calibration
- d. ease of use and simplicity

☐ Answer - Click Here:

a

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**Prof. Fazal Rehman Shamil**

CEO @ **T4Tutorials.com**

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## Advance Software Engineering MCQs

**By:** Prof. Fazal Rehman Shamil **Last Modified:** April 20, 2020

### Advance Software Engineering MCQs

#### 1. Select one option which is not automation?

- A. CRM Tools
- B. SCM Tools
- C. ERP Tools
- D. Operating system

☐ **Answer - Click Here:**

**D**

#### 2. Which one of the following is used to provide the right information to the right person at the right time for proper decision making?

- A. MIS
- B. DBMS
- C. PSO
- D. ISO

☐ **Answer - Click Here:**

**A**

#### 3. characteristic for Testability function is not include\_\_\_\_\_.

- A. Simplicity
- B. Operability
- C. Robustness
- D. Observability

☐ **Answer - Click Here:**

**C**

#### 4. Which testing method [Cyclomatic Complexity](#) comes under?

- A. [Black Box](#)
- B. [White Box](#)
- C. Yellow Box
- D. Green Box

☐ **Answer - Click Here:**

**B**

#### 5. [Prototyping involves in software](#) process is...

- A. evolutionary
- B. discrete
- C. throwaway prototyping
- D. all of these
- E. both A and C options

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E

6. Which one of the following is a sequence of statements from one place in the program to another?

- A. Gateway
- B. Route
- C. Path
- D. Sub-path
- E. None of these

☐ Answer - Click Here:

D

**7. What is the aim of the designer in software engineering?**

- A. cohesive, coupled
- B. coupled, cohesive
- C. coupled, functional
- D. maintainable, cohesive

☐ Answer - Click Here:

A

**8. Loop Testing methodology successfully tested using by?**

- A. Concatenated
- B. Simple loops
- C. Nested loops
- D. All of these
- E. None of these

☐ Answer - Click Here:

D

**9. Conversion of Adjusted Function Point Count to LOC count is dependent on**

- A. Team Size
- B. Project Duration
- C. Programming Language
- D. Cost Drivers

☐ Answer - Click Here:

C

**10. Cleanroom philosophy in software engineering who was first proposed by...**

- A. Mills
- B. Dyer
- C. Linger
- D. All of these

☐ Answer - Click Here:

D

**11. What is an abbreviation of MTF**



- A. mean-time-to-function
- B. manufacture-time-to-function
- C. mean-time-to-failure
- D. none of the mentioned

☐ **Answer - Click Here:**

C

**12. certification approach is not part of \_\_\_\_\_.**

- A. Generation of [test cases](#) from the end of the server.
- B. Reliability
- C. Creation of usage scenarios
- D. Specific usage file

☐ **Answer - Click Here:**

A

## SET 2: Software Engineering MCQs – FAQ in Jobs and Admissions Test

1. Which of the following is/are issues related to professional responsibility?

- A. Managing Client Relationships
- B. Intellectual property rights
- C. Confidentiality
- D. None of these
- E. Both B & C

☐ **Answer - Click Here:**

E

2. If Software engineers use their skills to misuse other people computers. What does misuse refer to:

- A. Dissemination of [viruses or other malware](#)
- B. Unauthorized modification of computer material
- C. Unauthorized access to computer material
- D. Both A & B
- E. None of these
- F. All of the mentioned

☐ **Answer - Click Here:**

F

3. Software engineers shall: Which of the following the correct statement

- A. Make sure that the products only meet the SRS.
- B. Act consistently with the public interest.
- C. Act in a manner that is in the best interests of his expertise and favor.
- D. Both B & C
- E. All of the mentioned
- F. None of these

☐ **Answer - Click Here:**

A

4. [Software engineers](#) should: Which of the following the incorrect statement

- A. Maintain integrity and independence in their professional judgment.
- B. Be dependent on their colleagues.
- C. Not use your technical skills to misuse other people's computers.
- D. Not intentionally accept work that is outside your capability.

F. None of these

☐ **Answer - Click Here:**

B

5. [Software product](#) Efficiency does not include

A. Licensing

B. Responsiveness

C. Processing time

D. Memory utilization

E. Both C & D

F. None of these

☐ **Answer - Click Here:**

A

6. Bugs and failures in the software are due to?

A. Software Developers

B. Software companies

C. None of these

D. Both A & B

☐ **Answer - Click Here:**

D

7. The organization has the best software tools and the latest computers, so they should not worry about the quality of the product.

A. False

B. True

C. Both A & B

D. None of these

☐ **Answer - Click Here:**

A

8. What is Software?

A. Software is documentation and configuration of data

B. Software is a set of programs, documentation & configuration of data

C. Software is a set of programs

D. Both B & C

E. None of these

☐ **Answer - Click Here:**

B

9. Which of the following is not responsible for software failure?

A. Less reliable and expensive

B. Low expectation

C. Increasing Demand

D. Increasing Supply

E. Both C & D

F. None of these

☐ **Answer - Click Here:**

D

10. Attributes of good software are?

A. [Software functionality](#)

B. Software maintainability

C. [Software maintainability](#) & functionality

D. Software development

- E. Both C & D
- F. None of these

☐ **Answer - Click Here:**

C

11. Which of the following software engineering activities is not an activity of the software process?

- A. Software specification
- B. Software dependence
- C. Software development
- D. Software validation
- E. Both A & B
- F. None of these

☐ **Answer - Click Here:**

B

12. Which of the following statement is incorrect?

- A. Computer science belongs to Software engineering
- B. Software engineering belongs to Computer science
- C. Software engineering is concerned with the practicalities of developing and delivering useful software
- D. Software engineering is a part of a more general form of System Engineering
- E. Both A & B
- F. None of these

☐ **Answer - Click Here:**

A

13. Which of the following statement is true?

- A. Customized products are commissioned by a particular customer
- B. Generic products and customized products are types of software products
- C. Both B & C
- D. Generic products are produced by the organization and sold to open market
- E. None of these
- F. All of the mentioned

☐ **Answer - Click Here:**

F

14. Software Engineering doesn't have any relation with?

- A. Software Validation
- B. Software Security
- C. [Software processes](#)
- D. [Software reuse](#)
- E. Both B & C
- F. None of these

☐ **Answer - Click Here:**

A

15. Which of the following statement is false?

- A. Web-based system should be developed and delivered incrementally
- B. Web brings the concept of software as service
- C. Web-based systems have led to degradation of programming languages
- D. The web has led to the availability of software services and the possibility of developing highly distributed service-based systems
- E. Both A & B
- F. None of these

☐ **Answer - Click Here:**

C

16. RAD is a short form of:

- A. Rapid Application Document
- B. Relative Application Development
- C. Rapid Application Development
- D. Both A & B
- E. None of these

☐ **Answer - Click Here:**

C

17. Which of these models is not appropriate for accommodating any change?

- A. [Waterfall Model](#)
- B. Prototyping Model
- C. Build & Fix Model
- D. RAD Model
- E. Both A & B
- F. None of these

☐ **Answer - Click Here:**

A

18. Which of these is not a type of Prototyping Model?

- A. Domain Prototype
- B. Vertical Prototype
- C. Horizontal Prototype
- D. Diagonal Prototype
- E. Both C & D
- F. None of these

☐ **Answer - Click Here:**

D

19. Which one is not a phase of the Prototyping Model?

- A. Engineer Product
- B. Prototype Refinement
- C. Coding
- D. Quick Design
- E. Both B & C
- F. None of these

☐ **Answer - Click Here:**

C

20. Numbers of phases in RAD Model are

- A. 3 phases
- B. 5 phases
- C. 2 phases
- D. 6 phases
- E. Both A & B
- F. None of these

☐ **Answer - Click Here:**

B

21. A major drawback of RAD Model is?

- A. Encourages customer/client feedback
- B. Highly specialized & skilled developers/designers are required
- C. Increases reusability of components. Highly specialized & skilled

- D. Increases reusability of components
- E. Both C & D
- F. None of these

☐ **Answer - Click Here:**

C

22. SDLC is a short form of:

- A. System Design Life Cycle
- B. Software Design Life Cycle
- C. System Development Life cycle
- D. Software Development Life Cycle
- E. Both C & D
- F. None of these

☐ **Answer - Click Here:**

D

23. If a user is concerned with all [phases of SDLC](#), Which model should be selected?

- A. RAD Model
- B. Waterfall Model
- C. Prototyping Model
- D. Both B & C
- E. None of these

☐ **Answer - Click Here:**

A

24. [Incremental Model](#) is a combination of?

- A. Waterfall Model & RAD Model
- B. Linear Model & RAD Model
- C. Build & FIX Model & Waterfall Model
- D. Linear Model & Prototyping Model
- E. Both A & B
- F. None of these

☐ **Answer - Click Here:**

D

25. The major [advantage of Incremental model](#) is?

- A. Easier to test and debug
- B. Easier to test and debug & It is used when there is a need to get a product to the market early
- C. Customer can respond to each increment
- D. It is used when there is a need to get a product to the market early
- E. Both B & C
- F. None of these

☐ **Answer - Click Here:**

B

26. [Spiral Model](#) was initially projected by

- A. Barry Boehm
- B. IBM
- C. Royce
- D. Pressman
- E. Both A & B
- F. None of these

☐ **Answer - Click Here:**



27. Which of the following dimensions Spiral Model has?

- A. Radial, perpendicular
- B. Diagonal, angular
- C. Diagonal, perpendicular
- D. Radial, angular
- E. Both C & D
- F. None of these

☐ **Answer - Click Here:**

D

28. The disadvantage of the Spiral Model is?

- A. Strong approval and documentation control
- B. Doesn't work well for smaller projects
- C. Additional Functionality can be added at a later date
- D. The high amount of risk analysis
- E. Both C & D
- F. None of these

☐ **Answer - Click Here:**

B

29. User has involvement in all phases of the Spiral Model.

- A. False
- B. True
- C. Both A & B
- D. None of these

☐ **Answer - Click Here:**

A

30. How [Spiral Model](#) is different from the Incremental Model?

- A. Users can see the system early in the Incremental Model
- B. Requirements that change can be aided in [Incremental Model](#)
- C. Progress can be measured for Incremental Model
- D. Both A & B
- E. None of these
- F. All of the mentioned

☐ **Answer - Click Here:**

C

31. A model is selected on the bases of

- A. Development team & Users
- B. Requirements
- C. Project type and associated risk
- D. Both B & C
- E. None of these
- F. All of the mentioned

☐ **Answer - Click Here:**

F

32. In these two models defining requirement early in the cycle is not allowed?

- A. Waterfall & Spiral
- B. Waterfall & RAD
- C. Prototyping & RAD
- D. Prototyping & Spiral
- E. Both C & D



☐ **Answer - Click Here:**

D

33. If the development team has less experience on similar projects which life cycle model can be chosen?

A. [Iterative Enhancement Model](#)

B. Spiral

C. RAD

D. Waterfall

E. Both A & B

F. None of these

☐ **Answer - Click Here:**

B

34. Choose a model for a product/project, which has a fixed time frame and has no cost barriers.

A. Incremental

B. Spiral

C. Waterfall

D. RAD

E. Both C & D

F. None of these

☐ **Answer - Click Here:**

D

35. If the user is not participating, which of the following models will not be able to give the desired outcome?

A. RAD & Prototyping

B. Waterfall & Spiral

C. RAD & Spiral

D. RAD & Waterfall

E. Both C & D

F. None of these

☐ **Answer - Click Here:**

A

36. An organization is creating an advanced version of the software which is already available in the market, which model will you prefer them?

A. Iterative Enhancement

B. RAD

C. Spiral

D. Both A & B

E. None of these

☐ **Answer - Click Here:**

D

37. If the project development schedule is tight we can choose a waterfall model?

A. False

B. True

C. Both A & B

D. None of these

☐ **Answer - Click Here:**

A

38. Which of the following statement is true?

- A. RAD Model aids the reusability of components
- B. Prototyping Model aids the reusability of components
- C. None of these
- D. Both A & B

☐ **Answer - Click Here:**

D

39. Spiral Model has high constancy requirements.

- A. False
- B. True
- C. Both A & B
- D. None of these

☐ **Answer - Click Here:**

B

40. RAD Model has high constancy requirements.

- A. False
- B. True
- C. Both A & B
- D. None of these

☐ **Answer - Click Here:**

A

41. \_\_\_\_\_ is not a [software process quality](#)?

- A. Timeliness
- B. Productivity
- C. Visibility
- D. Portability
- E. Both C & D
- F. None of these

☐ **Answer - Click Here:**

D

42. [Maintaining software](#) costs more than it does to develop.

- A. False
- B. True
- C. Both A & B
- D. None of these

☐ **Answer - Click Here:**

B

43. Which of these is not an embedded software product?

- A. digital function of dashboard display in a car
- B. keypad control of a security system
- C. pattern recognition game playing
- D. Both A & B
- E. None of these

☐ **Answer - Click Here:**

C

44. The purpose of the software process is to deliver the software

- A. in time
- B. with acceptable quality
- C. Both A & B

E. None of these

☐ **Answer - Click Here:**

C

45. Does the following activity provide feedback report in Generic Process Framework?

A. Deployment

B. Modeling & Construction

C. Communication

D. Planning

E. Both A & B

F. None of these

☐ **Answer - Click Here:**

A

46. Which of the following is not a type of change that we encounter during the support phase?

A. Prevention

B. Adaptation

C. Correction

D. Translation

E. Both C & D

F. None of these

☐ **Answer - Click Here:**

D

47. Which of the following is internal software quality?

A. Reliability

B. Reusability

C. Usability

D. Scalability

E. Both B & C

F. None of these

☐ **Answer - Click Here:**

B

48. RUP is a short form of \_\_\_\_\_ and was created by \_\_\_\_\_

A. Rational Unified Process, IBM

B. Rational Unified Process, Microsoft

C. Rational Unified Process, Infosys

D. Rational Unified Program, IBM

E. Both A & B

F. None of these

☐ **Answer - Click Here:**

A

49. Business case for the system is established in the \_\_\_\_\_ RUP phase?

A. Elaboration

B. Transition

C. Inception

D. Construction

E. Both A & B

F. None of these

☐ **Answer - Click Here:**

C

50. In Software engineering, which of these is not an essential activity for software processes?

- A. Software Validation
- B. Software design and implementation
- C. [Software evolution](#)
- D. Software Verification
- E. Both A & B
- F. None of these

☐ **Answer - Click Here:**

D

51. Software Engineering that is based on components allows faster delivery.

- A. False
- B. True
- C. Both A & B
- D. None of these

☐ **Answer - Click Here:**

B

## Software testing MCQ'S for book chapters

**By:** Prof. Fazal Rehman Shamil **Last Modified:** August 6, 2019

### Software testing MCQ'S for book chapters

**1. Choose which effort is required for locating and fixing an error in an operational program**

- A. Efficiency
- B. Usability
- C. Maintainability
- D. Testability

☐ **Answer - Click Here:**

C

**2. What is the basic reason for the poor quality in an organization can be...**

- A. Lack of knowledge about quality
- B. Lack of involvement by management
- C. Time constraints
- D. Both an and b
- E. None of the above

☐ **Answer - Click Here:**

D

**3. The effort required for modifying an operational program.**

- A. Availability
- B. Maintainability
- C. Portability
- D. Flexibility

☐ **Answer - Click Here:**

D

**4. What is Integrity.**

- A. a program satisfies its specs and fulfills the user's mission and goals
- B. learning, operating, preparing input, interpreting the output of a program
- C. couple one system with another
- D. access to data or software by unauthorized persons can be controlled or accessed
- E. None of the above

☐ **Answer - Click Here:**

D

**5. To achieve the software Quality is easily adaptable only with programming skills?**

- A. True
- B. False

☐ **Answer - Click Here:**

False

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**6.What is the Failure to enforce standards as a contributor to poor quality is because of...**

- A. Lack of knowledge
- B. Lack of involvement by management
- C. None of the above
- D. Both A and B.

☐ **Answer - Click Here:**

**B**

**7. For the achievement of quality like make the products which have no defect such products and services we require called.**

- A. Close cooperation between management and staff
- B. Commitment
- C. An environment in which quality can flourish
- D. All of these

☐ **Answer - Click Here:**

**D**

**8. Is the quality of the software is a long-term strategy.**

- A. True
- B. False

☐ **Answer - Click Here:**

**A**

**9.Is the 100% Quality of a software is achievable.**

- A.YES
- B.NO
- C.depend on tester
- D.envirenment factor involve

☐ **Answer - Click Here:**

**B**

**10.What is not to be possibly done by black box tester**

- A.Find system weakness
- B.Understand the source code
- C.Understand functional specification or requirments document
- D.Motivated to find faults.

☐ **Answer - Click Here:**

**B**

**11. What type of change do you need before when you are able to obtain a behavior change?**

- A. Lifestyle change
- B. Internal change
- C. Vocabulary change
- D. Management change

☐ **Answer - Click Here:**

**C**



12. What is the term RE represent in the quantifying risk...

- A. Risk End
- B. Risk behaviour
- C. Risk ratio
- D. None of these

☐ Answer - Click Here:

**D**



**Prof. Fazal Rehman Shamil**

CEO @ **T4Tutorials.com**

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## Software testing multiple choice Questions

**By:** Prof. Fazal Rehman Shamil **Last Modified:** May 27, 2019

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### Software testing multiple choice Questions

**1. Select from which of the following the regression testing should be performed.**

- a) Every week
- b) After the software has changed
- c) As often as possible
- d) When the environment has changed
- e) Both option (b,d)

☐ **Answer - Click Here:**

**e**

**2. When would the testing have been stopped?**

- a) When all the tests run
- b) When the faults have been fixed
- c) When the time completed
- d) when all the risk are resolved

☐ **Answer - Click Here:**

**d**

**3. non-functional test does not belong to which of the following categories?**

- a) Performance
- b) Usability and Security
- c) State level Transition
- d) all of the above

☐ **Answer - Click Here:**

**c**

**4. Which of the following is a form of functional testing?**

- a) Security level testing
- b) Boundary value analysis
- c) Performance testing
- d) Usability testing

☐ **Answer - Click Here:**

**b**

**5. When reporting faults found to developers, testers should be:**

- a) polite and helpful
- b) Diplomatic
- c) sensitive and insisting that a bug is not a "feature" if it should be fixed



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☐ **Answer - Click Here:**

**d**

6. Impact Analysis help to decide which of the following testing describe below.

- a) How much regression testing should be done
- b) How many more test cases need to written
- c) Exit Criteria
- d) Different Tools to perform Regression Testing

☐ **Answer - Click Here:**

**a**

**7. Select which of the below is not a Fundamental Test Process?**

- a) Test Planning
- b) Requirement Analysis
- c) implementation and Execution
- d) Evaluating test criteria and reporting

☐ **Answer - Click Here:**

**b**

**8. Which of the following techniques is NOT a black box technique?**

- a) Syntax testing
- b) Linear Code Sequence and Jump
- c) State transition testing
- d) Boundary value analysis

☐ **Answer - Click Here:**

**b**

**9. What should be done in the kick off phase of a formal review**

- a) Explaining all objective
- b) Follow up meetings
- c) Fixing defects found
- d) Individual Meeting

☐ **Answer - Click Here:**

**a**

10. Select Impact Analysis is used in which of the following?

- a) User acceptance testing
- b) Component testing
- c) Non-functional system testing
- d) Maintenance testing

☐ **Answer - Click Here:**

**d**

**11. Which of the following is not checked by Statement Coverage**

- a) Missing Statements

- a) Missing Statements
- b) Unused Branches
- c) Dead Code
- d) Unused Statement

☐ Answer - Click Here:

a

## 12.What is used as a measure of code coverage?

- a)Test Effectiveness
- b) Trends analysis
- c) Defects
- d) Time Spent Testing

☐ Answer - Click Here:

a

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## Software Fault Tolerance MCQs Questions Answers

**By:** Prof. Fazal Rehman Shamil **Last Modified:** August 6, 2019

### Software Fault Tolerance MCQs Questions Answers

**1. Which of the following is correct when the fault remains in the system for some period and then disappears?**

- A. Intermittent
- B. Permanent
- C. Transient
- D. All of the mentioned
- E. None of these

☐ **Answer - Click Here:**

C

**2. Which one of the following method is used to achieve reliable systems?**

- A. Fault tolerance
- B. Fault removal
- C. Fault prevention
- D. All of the mentioned
- E. None of these

☐ **Answer - Click Here:**

D

**3. A system maintaining its integrity while accepting a temporary halt in its operation is said to be in a state of**

- A. Graceful Degradation
- B. Full Fault Tolerance
- C. Fail Safe
- D. Fail Soft
- E. None of these

☐ **Answer - Click Here:**

C

**4. Which one of the Error Detection checks is not a part of Application detection?**

- A. Reversal checks
- B. Coding checks
- C. Hardware checks
- D. Timing checks

☐ **Answer - Click Here:**

C

**5. What is Exception handling is\_\_\_\_\_**

- A. backward error recovery mechanism
- B. forward error recovery mechanism
- C. All of the above
- D. None of these

☐ **Answer - Click Here:**

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**B****6. The non-occurrence of improper alteration of information said to be**

- A. Integral Dependability
- B. Maintainable Dependability
- C. Confidential Dependability
- D. Available Dependability

☐ Answer - Click Here:**B****7. N-version programming which is the independent generation of N, the value of N...**

- A. is less than 2
- B. is greater than 2
- C. is less than 1
- D. is greater than 1
- E. none of these

☐ Answer - Click Here:**B****8. Which of the following is correct on all fault-tolerant techniques rely on**

- A. Dependability
- B. Redundancy
- C. Integrity
- D. All of the above
- E. None of these

☐ Answer - Click Here:**B****9. The \_\_\_\_\_ effect, with backward error recovery mechanism it is imperative for a communicating process to reach consistent recovery points to avoid them.**

- A. Domino
- B. Whirlpool
- C. Static
- D. Dynamic
- E. None of these

☐ Answer - Click Here:**A****10. What is the most common cause of soft errors in hardware system?**

- A. Voltage Fluctuation
- B. Alpha Particles
- C. Cosmic Rays
- D. Thermal Issue

☐ Answer - Click Here:**C****11. Property is not a requirement for Fault Tolerance is given below?**

- A. Fail Safe
- B. Dynamic Recovery



☐ [Answer - Click Here:](#)

**A**

**12. What mechanism used to find latent failure in memory modules of the following...**

- A. Swapping
- B. Paging
- C. Scrubbing
- D. Sniffing
- E. None of these

☐ [Answer - Click Here:](#)

**D**



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## Software Fault Tolerance MCQs Quizlet Bank

**By:** Prof. Fazal Rehman Shamil **Last Modified:** May 27, 2019

### Software Fault Tolerance MCQs Quizlet Bank

#### 1. What mostly lead to soft errors in hardware?

- A. Alpha Particle
- B. Voltage Fluctuation
- C. Thermal Issue
- D. Cosmic Rays

☐ Answer - Click Here:

D

#### 2. Size can be measured in \_\_\_\_\_ if a direct approach to software project sizing is taken:

- A. LOC and FP
- B. FP
- C. LOC
- D. None of the above

☐ Answer - Click Here:

C

#### 3. Which one is true If X is the MTBF of a system and Y is the failure rate of the system?

- A.  $NX = Y$ , where N is the lifetime
- B.  $X/Y = N$ , where N is the lifetime
- C.  $X * Y = 1$
- D.  $X = Y$

☐ Answer - Click Here:

C

#### 4. \_\_\_\_\_ of the following is not one of the five information domain characteristics of Function Point(FP) decomposition?

- A. External process
- B. External inquiries
- C. External inputs
- D. External outputs

☐ Answer - Click Here:

A

#### 5. Fault tolerance do not require \_\_\_\_\_ property:

- A. Dynamic Recovery
- B. Fail Safe
- C. Fault Containments
- D. Fault Isolation

☐ Answer - Click Here:

B

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**6. The project planner must reconcile the estimates based on decomposition techniques to produce a single estimate of effort. True or false?**

- A. Partially true
- B. Partially false
- C. True
- D. False

☐ **Answer - Click Here:**

**D**

**7. \_\_\_\_\_ operating system architecture is suitable for FT based systems:**

- A. C – Real-Time Kernel
- B. A – Monolithic Kernel
- C. B – MicroKernel
- D. D – All of the above

☐ **Answer - Click Here:**

**C**

**8. What is the common mechanism used to find latent failure in memory modules?**

- A. Sniffing
- B. Swapping
- C. Paging
- D. Scrubbing

☐ **Answer - Click Here:**

**A**

**9. \_\_\_\_\_ availability criteria is optimal for carrier-grade class systems?**

- A. 10 minutes of downtime per year
- B. 10 seconds of downtime per year
- C. 40 seconds of downtime per year
- D. 40 minutes of downtime per year

☐ **Answer - Click Here:**

**C**

**10. The sizing approach is represented as \_\_\_\_\_ if an Indirect approach is taken:**

- A. Fuzzy Logic
- B. LOC and FP
- C. LOC
- D. FP

☐ **Answer - Click Here:**

**D**

**11. \_\_\_\_\_ forms exist of Barry Boehm's COCOMO Model?**

- A. Five
- B. Three
- C. Twelve
- D. No form exists

☐ **Answer - Click Here:**

12. To characterize \_\_\_\_\_, MTTR is the best way:

- A. Availability
- B. Fault Tolerance
- C. Dependability
- D. Reliability

☐ Answer - Click Here:

A



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## Software Risk Management Solved MCQs with Answer

**By:** Prof. Fazal Rehman Shamil **Last Modified:** May 27, 2019

### Software Risk Management Solved MCQs with Answer

**1. \_\_\_\_\_ is the associated with the Product Risk.**

- A. Test object
- B. non-availability of the test environment
- C. Negative consequences
- D. Control of test item
- E. None of these

answer A

**2. one of the following factors affect the probable consequences?**

- A. Risk timing
- B. Contingency planning
- C. Risk avoidance
- D. Risk monitoring
- E. None of these

answer A

**3. \_\_\_\_\_ is the Risk management most important jobs.**

- A. Project manager
- B. Production team
- C. Investor
- D. Client
- E. None of these

Answer: A

**4. one of the following is Risk management responsibility?**

- A. Project team
- B. Investor
- C. Developer
- D. Customer
- E. None of these

answer A

**5. one of the following ways to deal with a Risk?**

- a. Transfer
- b. Ignore
- c. Mitigate
- d. Contingency
- e. All of these

answer E

**6. \_\_\_\_\_ model is used to Project risk factor.**

- A. Prototyping model
- B. Waterfall model
- C. Spiral model
- D. None of these

answer C

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7. \_\_\_\_\_ strategies means that the impact of the risk will be reduced.

- A. Contingency plans
- B. Avoidance strategies
- C. Minimization strategies
- D. All of these

Answer: C

8. RE indicates\_\_\_\_\_.

- A. Risk exposure
- B. Related expense
- C. Risk expense
- D. Risk evaluation
- E. None of these

answer A

9. one of the following is Risk?

- A. The negative consequence that must occur
- B. The negative consequence that will occur
- C. The negative consequence that could occur
- D. The negative consequence that shall occur
- E. None of these

answer C

10. \_\_\_\_\_ Risk is the really want Building an excellent product or system.

- A. Business
- B. Schedule
- C. Technical
- D. Performance
- E. None of these

answer A



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## MCQs of Software Architecture

**By:** Prof. Fazal Rehman Shamil **Last Modified:** April 22, 2020

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### MCQs of Software Architecture

1. A review practice includes \_\_\_\_\_.

- A. Review Preparation
- B. Review team
- C. Organizational Expectation
- D. All of the above

☐ Answer - Click Here:

D

2. [Architecture of a software](#) is based on \_\_\_\_\_.

- A. Requirements
- B. Design
- C. All of the mentioned
- D. None of the mentioned

☐ Answer - Click Here:

A

3. What is the problem for ht developer in using unit operation?

- A. Mapping the requirements to a structural solution
- B. Understanding the requirements
- C. Identifying and resolving conflicting structural solution
- D. All of the above

☐ Answer - Click Here:

C

4. What would happen if the given requirements by the different organization are the same?

- A. It may or may not produce same architecture
- B. It will produce different architecture
- C. It will produce same architecture
- D. None of the these

☐ Answer - Click Here:

B



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5. The main difference between Seeheim model and MVC model is \_\_\_\_\_.

- A. Insulating the application, presentation and dialogue from changes in each other
- B. Most of the important scenarios to guard against are porting from toolkit to toolkit
- C. None of the these
- D. All of the above

☐ Answer - Click Here:

**D**

6. What are the preconditions before a successful review can proceed?

- A. Creation of a review team
- B. Involvement of right people
- C. Understanding of the review content
- D. All of the above

☐ Answer - Click Here:

**D**

7. A [software architecture results in](#) \_\_\_\_\_ [factors](#).

- A. Social
- B. Technical
- C. Business
- D. All of the above

☐ Answer - Click Here:

**D**

8. Which one of the following is MVC and Seeheim graphical evidence?

- A. Qualities are too abstract to be indirectly used
- B. Qualities are too abstract to be directly useful
- C. Qualities are not that abstract to be directly useful
- D. None of the Above

☐ Answer - Click Here:

**B**

9. The theme for review team can be considered as \_\_\_\_\_.

- A. Minor
- B. Major
- C. Project threatening
- D. All of the mentioned

☐ Answer - Click Here:

**A**

**10. Software architecture means \_\_\_\_\_.**

- A. It comprises of software components
- B. It is the structure or structure of systems
- C. Relationship among components
- D. All of the above

☐ Answer - Click Here:

**D**

**11. Seeheim's main guard against change is \_\_\_\_\_**

- A. Layering- placing different classes of functionality into distinct layers
- B. Part Whole Decomposition
- C. All of the above
- D. None of these

☐ Answer - Click Here:

**A**

**12. Which one is true?**

- A. There is redundancy needed for reliability
- B. The development unit is able to identify an architect for the system
- C. The [architecture](#) is forced to match the current organization
- D. All of the Above

☐ Answer - Click Here:

**B**

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## Multiple choice Question of Software Architecture

**By:** Prof. Fazal Rehman Shamil **Last Modified:** April 22, 2020

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### Multiple choice Question of Software Architecture

#### 1. Which of the following factors are influenced on the architect?

- A. Background and experience of the architects
- B. Developing an organization
- C. Customers and end users
- D. All of the above

☐ Answer - Click Here:

D

#### 2. Seeheim model later evolve to \_\_\_\_\_ model.

- A. Slinky Model
- B. Arch Model
- c. None of the these
- D. All of the above

☐ Answer - Click Here:

D

#### 3. Software design defines \_\_\_\_\_.

- A. Software design is an activity subjected to constraints
- B. Software Design satisfies client needs and desires
- C. Software Design specifies the nature and composition of software product
- D. All of the above

☐ Answer - Click Here:

D

#### 4. How do architects influence on developing organization?

- A. Long term business
- B. Immediate business
- C. Organization structure
- D. All of the above

☐ Answer - Click Here:

D

#### 5. Which are the layers introduce in Arch Model?

- A. Virtual Application

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☐ Answer - Click Here:

C

**6. Structural design is solved by \_\_\_\_\_.**

- a) The specification model following the [data flow diagram](#)
- b) Specification model is a structure chart showing procedure calling hierarchy and flow of data in and out of procedures
- c) Procedures represented as bubbles
- d) Emphasizing procedural decomposition

☐ Answer - Click Here:

B

**7. Which one is true with regards to the architecture business cycle?**

- A. The architecture affects the structure of developing organizations
- B. The architecture can affect the enterprise goals of the developing organizations
- C. All of the Above
- D. None of the these

☐ Answer - Click Here:

B

**8. The Slinky portion of model referred to \_\_\_\_\_.**

- A. The ability to contract the allocation of functions to the components
- B. The ability to expand the allocation of functions to the components
- C. None of these
- D. All of the above

☐ Answer - Click Here:

D

**9. Which one is false?**

- A. A software design method is an orderly procedure for providing software design solutions
- B. A design notation is a symbolic representational system
- C. A design heuristic is a rule proceeding guidance, with a guarantee for achieving some end
- D. A process is a collection of related tasks that transforms a set of inputs to the set of output

☐ Answer - Click Here:

B

**10. \_\_\_\_\_ includes in Architecture based process.**

- A. Analyzing or valuating the architecture
- B. Understanding the requirements
- C. Creating the business case for the system
- D. All of the above

☐ Answer - Click Here:



11. MVC evolves to \_\_\_\_\_ model.

- A. PAC Model
- B. Slinky Model
- C. Arch Model
- D. None of the mentioned

☐ Answer - Click Here:

A

12. What is false statement about structural design ?

- A. The advantage is data flow representation
- B. It follows Structure chart
- C. The structural design introduced notations and heuristics
- D. Structural design emphasis on procedural decomposition

☐ Answer - Click Here:

A

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## Important MCQs of Software architecture

By: Prof. Fazal Rehman Shamil Last Modified: April 22, 2020

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### Important MCQs of Software architecture

1. A business case consists of \_\_\_\_\_.

- A. What help does Architecture description language provide?
- B. How much should a product cost?
- C. What is domain analysis?
- D. None of the these

☐ Answer - Click Here:

**B**

2. HCI architectures used in \_\_\_\_\_.

- A. Virtual reality
- B. CSCW systems
- C. Mobile computing
- D. All of the above

☐ Answer - Click Here:

**D**

3. latest versions of structural design is \_\_\_\_\_.

- A. Regular Notations
- B. Wide support by CASE(Computer Aided Software Engineering)
- C. More detailed and flexible processes
- D. Wide support by CASE, More detailed and flexible processes

☐ Answer - Click Here:

**D**

4. Analyzing and evaluating architecture follow \_\_\_\_\_.

- A. ADL's provide valuable analytical capabilities but tend to concentrate on run-time properties of the system
- B. Maintainability has many facets
- C. Maintainability is the main aspect
- D. All of the above

☐ Answer - Click Here:

**D**

5. Why does s many design principles shared by software engineering design?

- A. For expansion of product lifetime
- B. Common design goal of creating high quality design
- C. All of the above
- D. None of the these


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☐ Answer - Click Here:

C

6. The wrong procedure for structural design is \_\_\_\_\_

- A. More procedural approach
- B. Handling of larger and more complex products
- C. Transition of problem models to solution models
- D. Designing [Object oriented](#) systems

☐ Answer - Click Here:

A

7. Software Design includes \_\_\_\_\_.

- A. [Software Engineering](#) Design
- B. Software Product Design
- C. None of the above
- D. a, b

☐ Answer - Click Here:

D

8. Is the design principles considered unique? Why?

- A. They are characteristic of well constructed programs
- B. They are robust
- C. All of the Above
- D. None of the these

☐ Answer - Click Here:

A

9. Design task followed \_\_\_\_\_.

- A. Checking model's completeness
- B. Choosing specific classes, operations
- C. Following design task heuristics
- D. All of the above

☐ Answer - Click Here:

D

10. Which one is true?

- A. Design – Understanding problem
- B. Analysis – Solving problem
- C. a, b
- D. None of the above

☐ Answer - Click Here:

A

11. The primary goal for software engineering design is \_\_\_\_\_.

- A. To specify the behavior of program satisfying [software product specification](#)
- B. To specify the structure of the program satisfying software product specification

- only
- b. To specify the structure of the program satisfying software product specification
  - C. None of these
  - D. All of the above

☐ Answer - Click Here:

D

## 12. Which analysis is not acceptable?

- A. [Object oriented design](#) always dominates the structural design
- B. Object oriented design is far better approach compared to structural design
- C. Object oriented uses more specific notations
- D. Object oriented design are given more preference than structural design

☐ Answer - Click Here:

A

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## Software Architecture Objective Questions Answers

**By:** Prof. Fazal Rehman Shamil **Last Modified:** April 22, 2020

### Software Architecture Objective Questions Answers

1. \_\_\_\_\_ in case of [software design](#) process.

- A. Engineering design resolution produces the SRS
- B. [Analysis](#) occurs at the end of engineering design with the SRS
- C. Product design resolution produces the design document
- D. Analysis occurs at the start of product design with a product idea

☐ Answer - Click Here:

D

2. A good program \_\_\_\_\_.

- A. must have certain characteristic at delivery and must be maintainable during time
- B. must conform to its design constraints
- C. at delivery must satisfy its requirements
- D. All of the Above

☐ Answer - Click Here:

D

3. [Software management](#) need because \_\_\_\_\_ ?

- A. It is done with few people with fixed skills and abilities
- B. Software development is complex and expensive
- C. It is not time consuming
- D. None of the mentioned

☐ Answer - Click Here:

B

4. For generic problem solving strategy \_\_\_\_\_ is not in sequence.

- A. Understand the problem
- B. Select the Best solutions
- C. Iterate if no solution is adequate
- D. Generate candidate solutions

☐ Answer - Click Here:

C

5. \_\_\_\_\_ is the principle of feasibility?

- A. Designs that can meet more stakeholder needs and desired subject, to constraints are better
- B. Designs that make easier to change are better

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C. A Design is acceptable only when it is realized

D. Designs that can be built for less money, in less time with less risk are better

☐ Answer - Click Here:

C

**6. Which definition is wrong?**

A. Project is one time effort to achieve a particular goal for an organization

B. Organizing is directing people doing project work

C. Planing is formulating a scheme for doing a project

D. Staffing is filing the positions in an organizational structure

☐ Answer - Click Here:

B

**7. \_\_\_\_\_ is true about generic software product design process.**

A. It ends with Product Design Problem

B. It begins with SRS

C. The analysis is done and the end product is a project mission statement

D. None of the mentioned

☐ Answer - Click Here:

D

**8. "Designs that make easier to change are better" which principle said that?**

A. Principle of Economy

B. Principle of Adequacy

C. Principle of Changeability

D. Principle of Feasibility

☐ Answer - Click Here:

C

**9. \_\_\_\_\_ is not a project development activity.**

A. Tracking

B. Planning

C. Organizing

D. Operating

☐ Answer - Click Here:

D

**10. Why iteration is important for design?**

A. To generate and improve solutions many times for better output

B. To frequently reanalyze the problem

C. All of the above

D. A & C

☐ Answer - Click Here:

**11. Define the principle of adequacy.**

- A. Designs that can meet more stakeholder needs and desired subject, to constraints are better
- B. Designs that make easier to change are better
- C. Designs that can be built for less money, in less time with less risk are better
- D. A Design is acceptable only when it is realized

☐ [Answer - Click Here:](#)

**A**

**12. Business activities include \_\_\_\_\_.**

- A. Project
- B. Planning
- C. Operations
- D. A & C

☐ [Answer - Click Here:](#)

**D**

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## Important Multiple choice questions of Software Architecture

By: Prof. Fazal Rehman Shamil Last Modified: April 22, 2020

### Important Multiple choice questions of Software Architecture

#### 1. Which of these steps defined by generic software engineering design process?

- A. Generic [software engineering](#) design process's first job after the analysis is detailed design.
- B. Architectural design is followed by Detailed design.
- C. Attention is turned later to architectural design.
- D. a, b
- E. None of these

☐ Answer - Click Here:

D

#### 2. Define principle of economy.

- A. A Design is acceptable only when it is realized
- B. Designs that can meet more stakeholder needs and desired subject, to constraints are better
- C. Designs that can be built for less money, in less time with less risk are better
- D. Designs that make easier to change are better
- E. None of these

☐ Answer - Click Here:

C

#### 3. Project planning have role of \_\_\_\_\_.

- A. Milestone
- B. Estimation
- C. Schedule
- D. All of the Above
- E. None of these

☐ Answer - Click Here:

D

#### 4. Which is true about the resolution process in a generic software engineering design process?

- A. Detailed design is a high resolution process.
- B. Architectural design is low resolution process.
- C. a, b
- D. None of the mentioned
- E. All of these

☐ Answer - Click Here:

D

#### 5. \_\_\_\_\_ does a good design follow.

- A. A good design should specify a program that can be built, tested and deployed on time
- B. A good design can vary risk
- C. A good design should be concluded in its budget

Search

### MCQS

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 MCQs Data Structures  
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 Engineering MCQs Homepage  
 Psychology MCQs  
 Philosophy Of Science

- D. a, b
- E. a, c

☐ Answer - Click Here:

D

**6. A project fails because of \_\_\_\_\_.**

- A. Problems faced by rules governing project
- B. Lack of anticipation of resources to accomplish tasks
- C. All of the mentioned
- D. None of the mentioned

☐ Answer - Click Here:

C

**7. In software engineering design process \_\_\_\_\_ follows wrong sequence ?**

- A. Finalize design
- B. Generate candidate architecture
- C. Analyze problem
- D. Select detailed design
- E. None of these

☐ Answer - Click Here:

A

**8. Which one is true from the following?**

- A. Basic design principles are evaluative criteria that state characteristics of good design
- B. Design Principles state desirable design characteristics based on meeting stakeholder needs and desires
- C. Constructive Design principles state desirable engineering design characteristics based on past software development experience
- D. All of the mentioned
- E. None of these

☐ Answer - Click Here:

C

**9. \_\_\_\_\_ makes tracking activity more essential.**

- A. It schedules, estimates and follows [resource allocation](#)
- B. No need to follow rules
- C. All of the above
- D. None of these

☐ Answer - Click Here:

A

**10. The quality attributes are calculated under \_\_\_\_\_.**

- A. None observable
- B. Observable
- C. All of the above
- D. None of these

☐ Answer - Click Here:

C

**11. the observation of SAAM conclude \_\_\_\_\_**

- A. Result of SAAM
- B. Stakeholder Participation
- C. The role of direct scenario
- D. All of the above
- E. None of these

☐ **Answer - Click Here:**

**D**

**12. Decomposition for design project is \_\_\_\_\_.**

- A. Resolution : Detailed design
- B. Analysis : Design Problem
- C. Resolution : Product specifications
- D. All of the above
- E. None of the above

☐ **Answer - Click Here:**

**D**



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## OOAD MCQs (Multiple Choice Questions Answers)

**By:** Prof. Fazal Rehman Shamil **Last Modified:** August 13, 2020

### OOAD MCQs (Multiple Choice Questions Answers)

1. Abstraction has \_\_\_\_\_ types.

- a) 1
- b) 2
- c) 3
- d) 4

☐ **Answer - Click Here:**

**D**

2. To hide the internal implementation of an object we use ...

- a) inheritance
- b) encapsulation
- c) polymorphism
- d) none of these

☐ **Answer - Click Here:**

**B**

3. The vertical dimension of a [sequence diagram](#) shows

- a) abstract
- b) line
- c) time
- d) messages

☐ **Answer - Click Here:**

**C**

4. CRC approach and noun phrase approach are used to identify ...

- a) classes
- b) collaborators
- c) use cases
- d) object

☐ **Answer - Click Here:**

**A**

Search

### MCQS CS

MCQs Computer Science Core Courses

Core Multiple Choice Questions of Software Engineering

Multiple Choice Questions (MCQs) of data and databases

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Artificial Intelligence MCQs

Compiler Construction MCQs

Computer Architecture MCQs

Discrete Mathematics MCQs

BASIC ELECTRONICS MCQs

Computer Graphics MCQs

HTML MCQs

Technical Report Writing MCQs

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Series and Parallel

MCQs



5. Abstraction provide an operation named as ...

- a) encapsulation
- b) call back
- c) turndown
- d) inheritance

☐ [Answer - Click Here:](#)

**B**

6. To distunguish between active and non-active object which property is applied?

- a) abstraction
- b) polymorphism
- c) concurrency
- d) aggregation

☐ [Answer - Click Here:](#)

**C**

7. The [time oriented diagram](#) include ...

- a) sequence
- b) classes
- c) activity
- d) none of these

☐ [Answer - Click Here:](#)

**A**

8. Aggregation is ...

- a) set of relationship
- b) composed of relationship
- c) part of relationship
- d) all of these

☐ [Answer - Click Here:](#)

**B**

9. Cohesion and coupling are represented by using ...

- a) structure part
- b) structure effect
- c) dependence matrix
- d) all of these

MCQs

Arrays MCQs Questions  
Answers – C++

436 of 464

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Answers

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Answers

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ABRIVIATIONS stand for MCQs

Iterative Model MCQs Solved  
Questions Answers

C++ Array Solved MCQs  
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incremental Model Solved  
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Storage area network MCQs  
Questions Answers

PHP MyAdmin MCQs Questions  
Answers

Oracle MCQ's Questions  
Answers

WIFI MCQs

☐ [Answer - Click Here:](#)

**C**

**10. Refinement is a process of**

- a) inheritance
- b) colaboration
- c) elaboration
- d) polymorphism

☐ [Answer - Click Here:](#)

**C**

**11. SMI stands for**

- a) software maturity index
- b) system maturity information
- c) [software model](#) index
- c) none of these

☐ [Answer - Click Here:](#)

**A**

**12. Group of [functionally related objects](#) is ...**

- a) concatenation
- b) cohesion
- c) coupling
- d) all of these

☐ [Answer - Click Here:](#)

**B**

**in a sequence diagram, the \_\_\_\_\_ indicates when an object sends or receives a message.**

- (A)command line
- (B)focus
- (C)request link
- (D)lifeline

☐ [Answer - Click Here:](#)

**(C)request link**

When arranging actors and objects on a sequence diagram, it is nice to list them \_\_\_\_\_.

☐ [Answer - Click Here:](#)

**in order in which they participate in the sequence across the top of the diagram**



A \_\_\_\_ describes information about an object.

☐ Answer - Click Here:

attribute

The two types of interaction diagrams are \_\_\_\_, and \_\_\_\_ diagrams.

☐ Answer - Click Here:

sequence and communication

Looping in an [activity diagram](#) is best represented using what?

☐ Answer - Click Here:

Looping in an activity diagram is best represented by Synchronizaton bars.

A decision point within an activity diagram may be shown with an activity symbol.

True/False

☐ Answer - Click Here:

True

A \_\_\_\_ is an instantiation of a class.

☐ Answer - Click Here:

object

On an activity diagram the arrows represent what?

☐ Answer - Click Here:

In activity diagram the arrows represent the flow of activities.

The focus in a sequence diagram is on \_\_\_\_.

☐ Answer - Click Here:

time ordering of messages being passed between objects

The acronym CRUD stands for \_\_\_\_.

☐ Answer - Click Here:

create, read, update, delete

A deployment diagram is most useful for which design activity?

☐ Answer - Click Here:

Designing the duplication components

The external behavior of a system is described by \_\_\_\_.

☐ Answer - Click Here:

## functional models

**In an activity diagram, the merge symbol has the same shape as what other symbol?**

☐ [Answer - Click Here:](#)

## Decision symbols

On an activity diagram, which of the following is not a valid use of a synchronization bar?

☐ [Answer - Click Here:](#)



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## Software Formal Methods Mcq's

**By:** Prof. Fazal Rehman Shamil **Last Modified:** May 27, 2019

### Software Formal Methods Mcq's

**1: Which of the following statements that can be interpreted in a number of ways?**

- a) Vagueness
- b) Comments
- c) Contradictions
- d) Ambiguities

☐ **Answer - Click Here:**

C

**2: Which of the following occurs in a system specification document due to the bulkiness of?**

- a) Incompleteness
- b) Vagueness
- c) Ambiguities
- d) Contradictions

☐ **Answer - Click Here:**

B

**3: When formal methods are used for the first time,**

**Which of the following is essential for success?**

- a) Consulting
- b) Expert training
- c) none of these
- d) Both Expert a & b

☐ **Answer - Click Here:**

D

**4: Which of the following is not provided by formal methods?**

- a) verifying systems
- b) providing frameworks
- c) provide investors
- d) both option a & b

Search

## SOFTWARE FORMAL METHODS MCQ'S

D

**5: Coupling wrost type is...**

- a) control coupling
- b) stamp coupling
- c) content coupling
- d) data coupling

☐ [Answer - Click Here:](#)

C

**6: Which of the following option is the most important feature of the spiral model?**

- a) risk management
- b) quality management
- c) configuration management
- d) requirement analysis

☐ [Answer - Click Here:](#)

A

**7: SRS is also known is...**

- a) integrated testing
- b) stress testing
- c) black box testing
- d) white box testing

☐ [Answer - Click Here:](#)

C

**8: Coupling desired level is...**

- a) data coupling
- b) common coupling
- c) control coupling
- d) no coupling

☐ [Answer - Click Here:](#)

A

**9: Which of the following option are forms of alpha and beta testing?**

- a) system testing
- b) acceptance testing

c) unit testing

d) integration testing

☐ **Answer - Click Here:**

B

**10: Which of the following encapsulates an object?**

a) state

b) data

c) behaviour

d) both data & behaviour

☐ **Answer - Click Here:**

D

**11: flowchart can replace...**

a) case effect graph

b) structure charts

c) decision table

d) pseudocode

☐ **Answer - Click Here:**

D

**12: Which of the following shows the ER Model?**

a) dynamic view

b) functional view

c) both a & b

d) static view

☐ **Answer - Click Here:**

D



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## Formal software multiple choice questions Answers

**By:**Prof. Fazal Rehman Shamil **Last Modified:** May 27, 2019

### Formal software multiple choice questions Answers

**1: Which of the following is the reason for software bugs and failures?**

- a) Software Developers
- b) Software companies
- c) Both a and b
- d) none of these

☐ **Answer - Click Here:**

C

**2: Software is...**

- a) documentation and configuration of data
- b) set of programs
- c) both a and b
- d) None of these

☐ **Answer - Click Here:**

C

**3: Which of the following phases in RAD Model?**

- a) 3 phases
- b) 6 phase
- c) 2 phases
- d) 5 phases

☐ **Answer - Click Here:**

D

**4: Which of the following is purpose of process is to deliver software?**

- a) in time
- b) with acceptable quality
- c) none of these
- d) both a & b

☐ **Answer - Click Here:**

D

Search

**FORMAL SOFTWARE  
MULTIPLE CHOICE  
QUESTIONS ANSWERS**



**5: RUP created by...**

- a) IBM
- b) Infosys
- c) Microsoft
- d) none of these

☐ **Answer - Click Here:**

A

**6: ——— language the frameworks will not work...**

- a) PHP
- b) Java
- c) C#
- d) Ruby

☐ **Answer - Click Here:**

A

**7: Whih one is not benefit of software reuse?**

- a) high effectiveness
- b) lower costs
- c) faster software development
- d) lower risks

☐ **Answer - Click Here:**

A

**8: Which of the followings are types of requirements?**

- a) Reliability
- b) Usability
- c) Availability
- d) All of tese

☐ **Answer - Click Here:**

D

**9: Functional requirement is...**

- a) Portability
- b) Maintainability
- c) Robustness
- d) None of these

D

**10: --- is not affect the software quality and organizational performance...**

- a) Product
- b) Technology
- c) People
- d) Market

☐ Answer - Click Here:

D

**11: Indirect measure of product is...**

- a) Reliability
- b) Quality
- c) Complexity
- d) All of these

☐ Answer - Click Here:

D

**12: Which one is not true statement of a business process?**

- a) testing software
- b) designing a new product
- c) hiring an employee
- d) purchasing services

☐ Answer - Click Here:

A



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## Softer Design pattern MCQ's

**By:** Prof. Fazal Rehman Shamil **Last Modified:** April 22, 2020

### Softer Design pattern MCQ's

#### 1: Patterns is...

- a) It solves a software design problem
- b) It is a model proposed for imitation
- c) All of these
- d) None of these

☐ **Answer - Click Here:**

**C**

#### 2: Which of the following benefits provide patterns?

- a) Increasing Development Efficiency
- b) Promoting Communication
- c) Streamlining Documentation
- d) All of these

☐ **Answer - Click Here:**

**D**

#### 3: Which of the following pattern focus on the design patterns movement?

- a) [Data Structures](#) and Algorithms
- b) Programming Idioms
- c) Mid-Level Design Patterns
- d) Architectural Styles

☐ **Answer - Click Here:**

**C**

#### 4: Patterns important due to...

- a) They captured design accessible to novices and other experts
- b) They capture expert design knowledge
- c) None of these
- d) All of these

☐ **Answer - Click Here:**

**D**

### MCQS

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**5: --- is a design pattern?**

- a) Structural
- b) Abstract Factory
- c) Behavioral
- d) All of these

☐ **Answer - Click Here:**

**D**

**6: --- design pattern defines one-to-many dependency between objects...**

- a) Observer pattern
- b) Factory Pattern
- c) Facade pattern
- d) Singleton method pattern

☐ **Answer - Click Here:**

**A**

**7: Which of the following are concerned with communication between objects?**

- a) J2EE Design Patterns
- b) Behavioral Design Patterns
- c) Creational Design Pattern
- d) Structural Design Patterns

☐ **Answer - Click Here:**

**B**

**8: Which one pattern creating duplicate object?**

- a) Filter Pattern
- b) Prototype Pattern
- c) Bridge Pattern
- d) Builder Pattern

☐ **Answer - Click Here:**

**B**

**9: Which of the following is a pattern language?**

- a) resembles the structure of natural languages
- b) encompasses a collection of patterns
- c) is implemented using hypertext
- d) All of the above

☐ [Answer - Click Here:](#)

**B**

**10: A visitor class is used which changes the executing algorithm of an element class...**

- A. Business Delegate Pattern
- B. Composite Entity Pattern
- C. Visitor Pattern
- D. MVC Pattern

☐ [Answer - Click Here:](#)

**C**

**11: Which of the following represents the structure and behavior of the pattern?**

- a) Consequences
- b) Form
- c) Application
- d) Name

☐ [Answer - Click Here:](#)

**B**

**12: Which design pattern suggest multiple classes?**

- a) Chain of responsibility pattern
- b) Bridge pattern
- c) Singleton pattern
- d) State pattern

☐ [Answer - Click Here:](#)

**A**



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## Software Project Management MCQ's

**By:** Prof. Fazal Rehman Shamil **Last Modified:** April 22, 2020

### Software Project Management MCQs

**1. What are Requirements refined and analyzed to assess their clarity, completeness, and\_\_\_\_\_**

- A. Consistency
- B. Correctness
- C. Concurrency
- D. None of these

☐ Answer - Click Here:

**A**

**2. A [software project](#) that meets all the given objectives is a success of \_\_\_\_\_.**

- A. Project fundamental purpose
- B. Project quality
- C. Project requirement
- D. [Project management](#) myth
- E. None of these

☐ Answer - Click Here:

**D**

**3. \_\_\_\_\_ is not an effective software project management focus..**

- A. people
- B. product
- C. process
- D. popularity

☐ Answer - Click Here:

**D**

**4. What is the abbreviation of PM-CMM...**

- A. product management capability maturity model
- B. [process management](#) capability maturity model
- C. people management capability maturity model
- D. [project management](#) capability maturity model

☐ Answer - Click Here:

**C**

**5. \_\_\_\_\_ is not a project manager's activity.**

- A. project design
- B. [project management](#)
- C. project planning
- D. project control

☐ Answer - Click Here:

**A**

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### MCQS

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**6. The \_\_\_\_\_ is not an approach to software cost estimation?**

- A. Analytical
- B. Critical
- C. Empirical
- E. Heuristic

☐ Answer - Click Here:

**B**

**7. Which one of the following is not considered as a [risk in project management](#)?**

- A. Staff turnover
- B. Testing
- C. Product competition
- D. Specification delays

☐ Answer - Click Here:

**A**

**8. What is the process each manager follows during the life of a project is known as**

- A. Project Management
- B. Project Management Life Cycle
- C. Manager life cycle
- D. All of the mentioned

☐ Answer - Click Here:

**B**

**9. Quality planning is the process of developing a quality plan for\_\_\_\_\_.**

- A. customers
- B. project manager
- C. team
- D. project

☐ Answer - Click Here:

**D**

**10. Which of the following is the sub-process of process improvement?**

- A. Process introduction
- B. De-processification
- C. Process analysis
- D. Process distribution

☐ Answer - Click Here:

**C**

**11. Which one the following is an internal [software quality](#) from given below?**

- A. reusability
- B. reliability
- C. scalability
- D. usability

☐ Answer - Click Here:

**A**

12. What is the symbolic representation of RUP \_\_\_\_\_

- A. [Rational Unified Process](#)
- B. Rational Unified Process
- C. Rational Unified Program
- D. Rational Unified Process

☐ Answer - Click Here:

**A**



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## Software Project Management Multiple Choice Questions

**By:** Prof. Fazal Rehman Shamil **Last Modified:** April 22, 2020

### Software Project Management Multiple Choice Questions

#### 1. What limits the options of the project team?

- A. Constraints
- B. Assumptions
- C. Technology
- E. Deliverables

☐ [Answer - Click Here:](#)

**A**

#### 2. The work breakdown that covers the acquisition of a specific defense material item and is related to contractual effort, is called\_\_\_\_\_

- A. Contract WBS
- B. Contract Program WBS
- C. Program WBS
- D. None of these

☐ [Answer - Click Here:](#)

**C**

#### 3. Work Breakdown Structure how many types...

- A. Three
- B. Two
- C. Four
- D. None of these

☐ [Answer - Click Here:](#)

**B**

#### 4. [Requirements Management](#) is Important? because of the changes...

- A. in technology
- B. to the environment
- C. in customer's expectations
- D. in all of the mentioned.
- E. none of these

☐ [Answer - Click Here:](#)

**B**

#### 5. The following costs are not part of the total effort cost\_\_\_\_\_

- A. Costs of lunch time food
- B. Costs of providing heating
- C. Costs of networking
- D. Costs of support

☐ [Answer - Click Here:](#)

**A**

### MCQS

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6. Which of the following is related to the overall [functionality](#) of the delivered software?

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- A. Product-related metrics
- B. Function-related metrics
- C. Size-related metrics
- D. None of the mentioned

☐ Answer - Click Here:

B

7. Whenever evaluating current problems and desired information the analyst begins to..

- A. Model
- B. Synthesize solutions
- C. Specification
- D. None of these

☐ Answer - Click Here:

B

8. What is the research-oriented software development\_\_\_\_\_

- A. Product-related problems
- B. Process-related problems
- C. People-related problems
- D. Technology-related problems

☐ Answer - Click Here:

A

9. What type of reviews conducted at each of this phases\_\_\_\_\_

- A. Analysis
- B. Design
- C. Coding
- D. All of given
- E. None of these

☐ Answer - Click Here:

D

10. Technical kernel of software engineering\_\_\_\_\_

- A. Testing
- B. Requirement Analysis
- C. Design
- D. Implementation

☐ Answer - Click Here:

C



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## Data Analysis And Design MCQs

**By:** Prof. Fazal Rehman Shamil **Last Modified:** April 22, 2020

### Data Analysis And Design MCQs

**1. To solve any problem the first step is ...**

- a) evaluate the problem
- b) identify the problem
- c) understand the problem
- d) none of these

☐ **Answer - Click Here:**

**B**

**2. Solutions that requires reasoning built on knowledge and experiences are ...**

- a) heuristic solutions
- b) algorithmics solutions
- c) random solutions
- d) banker's solutions

☐ **Answer - Click Here:**

**A**

**3. The complexity of worst-case in quick sort is ...**

- a)  $O(\log n^2)$
- b)  $O(n)$
- c)  $O(n^2)$
- d)  $O(n \log 2)$

☐ **Answer - Click Here:**

**C**

**4. The efficiency of the algorithms is estimated by...**

- a) memory and processor
- b) time and space
- c) complexity and capacity
- d) none of these

☐ **Answer - Click Here:**

**C**

Search

## MQCS

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**5. Which one is not in complexity theory?**

- a) [worst case](#)
- b) average case
- c) null case
- d) best case

☐ Answer - Click Here:

**C**

**6. To sort an [array of n elements](#) in merge sort the worst case time complexity is ...**

- a)  $O(\log)$
- b)  $O(\log_n)$
- c)  $O(n \log n)$
- d) none of these

☐ Answer - Click Here:

**C**

**7. We can easily check the correctness and appropriateness of \_\_\_\_\_ solutions.**

- a) heuristic solutions
- b) algorithmics solutions
- c) random solutions
- d) banker's solutions

☐ Answer - Click Here:

**B**

**8. A sort in which it compares the adjacent elements in the list is ...**

- a) [bubble sort](#)
- b) merge sort
- c) [insertion sort](#)
- d) quick sort

☐ Answer - Click Here:

**C**

**9. Which one is best when th list is already sorted?**

- a) bubble sort
- b) merge sort
- c) [insertion sort](#)

d) quick sort

☐ [Answer - Click Here:](#)

**C**

**10. The true and false values are used to represent the ...**

a) digital data

b) logical data

c) graphical data

d) numerical data

☐ [Answer - Click Here:](#)

**B**

**11. PAC stands for**

a) Problem Analysis Chart

b) Problem Act Chart

c) Problem Access Code

d) none of these

☐ [Answer - Click Here:](#)

**A**

**12. We can improve the efficiency of quick sort by using ...**

a) recursive method

b) non-recursive method

c) binary tree method

d) none of these

☐ [Answer - Click Here:](#)

**B**



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## Web Security and forensics Multiple choice questions

By: Prof. Fazal Rehman Shamil Last Modified: April 22, 2020

### Web Security and forensics Multiple choice questions

If a DNS server accepts and uses the wrong details from a host that has no authority giving that information, then this technique is called ...?

- a) DNS hijacking
- b) DNS lookup
- c) DNS spoofing
- d) All of the above
- e) a and b
- f) None of the above

☐ Answer - Click Here:

**c**

block cypher used by PGP to encrypts data...

- a) international data encryption algorithm
- b) internet data encryption algorithm
- c) private data encryption algorithm
- d) All of the above

☐ Answer - Click Here:

**a**

Pretty good privacy PGP(Pretty Good Privacy) is used in...

- a) browser security
- b) email security
- c) FTP security
- d) none of the mentioned

☐ Answer - Click Here:

**b**

The extensible authentication protocol is an authentication framework used in...

- a) wired [local area network](#)
- b) [wireless networks](#)
- c) wired personal area network
- d) all of the above

☐ Answer - Click Here:

**b**

What is used to carry traffic of one protocol over the network that does not support that protocol directly...

- a) Tunnelling
- b) Trafficking
- c) Transferring
- d) Switching

☐ Answer - Click Here:

**a**

In which Mode the authentication header is inserted immediately after the IP header

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Immediately after the IP header...

- a) Tunnel
- b) Transport
- c) Authentication
- d) Both A and B

☐ **Answer - Click Here:**

**a**

**Which of the following is an extension of an enterprise private intranet across a public Network that creates a secure private connection...**

- a) VNP
- b) VSPN
- c) VSN
- d) VPN

☐ **Answer - Click Here:**

**d**

**What term is considered as a basis for most robust authentication schemes...**

- a)Registration
- b)Identification
- c)Encryption
- d)Refine information

☐ **Answer - Click Here:**

**c**

**A method that uses two independent pieces/processes of information to identify a user is known as...**

- a)Authentication through encryption
- b>Password-method authentication
- c)Two-method authentication
- d)Two-factor authentication

☐ **Answer - Click Here:**

**d**

**Where the security enforcement is needed firstly...**

- a)Scripting
- b)Application
- c)Assigning Roles
- Administration

☐ **Answer - Click Here:**

**b**

**Which database allows a system administrator to associate a function with a relation...**

- a)Virtual database
- b)Private database
- c)Custom database
- d)Virtual Private Database(VPD)

☐ **Answer - Click Here:**

**d**

**Applications create queries dynamically, can be considered as a risk source of ...**

- a)Active attacks
- b)Passive attacks

c)Forgery  
d)Injection

☐ **Answer - Click Here:**

**d**



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## Web Security and forensics MCQs

**By:** Prof. Fazal Rehman Shamil **Last Modified:** April 22, 2020

### Web Security and forensics MCQs

**which attacks, the attacker manage's to take control of the application to execute an SQL query created by the attacker...**

- a) SQL injection
- b) Direct
- c) SQL
- d) Application
- e) None of these

☐ **Answer - Click Here:**

a

**A Web site that allows users to enter text, such as a comment or a name, and then stores it and later displays it to other users, is potentially vulnerable to a kind of attack what attack is it...**

- a) Cross-site scoring scripting
- b) Cross-site request forgery
- c) Cross-site scripting
- d) Two-factor authentication
- e) None of these

☐ **Answer - Click Here:**

c

**Attack which forces a user(end user)to execute unwanted actions on a web application in which he/she is currently authenticated...**

- a) Cross-site scoring scripting
- b) Cross-site request forgery
- c) Cross-site scripting
- d) Two-factor authentication
- e) None of these

☐ **Answer - Click Here:**

b

**Even with two-factor authentication, users are vulnerable to which attacks.**

- a) Man-in-the-middle
- b) Cross attack
- c) scripting
- d) Radiant
- e) None of these

☐ **Answer - Click Here:**

a

**which factor uses in many applications, where two independent factors are used to identify a user...**

- a) Cross-site scripting
- b) Cross-site request forgery
- c) Two-factor authentication
- d) Cross-site scoring scripting

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e) None of these

☐ Answer - Click Here:

c

**The system that allows the user to be authenticated once and multiple applications can then verify the user's identity through an authentication service without requiring reauthentication...**

- a) OpenID
- b) Sign-on system
- c) Security Assertion Markup Language
- d) Virtual Private Database
- e) None of these

☐ Answer - Click Here:

b

**which database is a standard for exchanging authentication and authorization information between different security domains, to provide cross-organization ...**

- a) OpenID
- b) Security Assertion Markup Language
- c) Sign-on system
- d) Virtual Private Database
- e) None of these

☐ Answer - Click Here:

c

**which id standard is an alternative for single sign-on across organizations, and has seen increasing acceptance in recent years...**

- a) OpenID
- b) Single-site system
- c) Security Assertion Markup Language
- d) Virtual Private Database
- e) None of these

☐ Answer - Click Here:

a

**which [database](#) allows a system administrator to associate a function with a relation the function returns a predicate that must be added to any query that uses the relation...**

- a) OpenID
- b) Security Assertion Markup Language
- c) Single-site system
- d) Virtual Private Database

☐ Answer - Click Here:

d

**VPD(virtual private database) provides authorization at the level of specific tuples, or rows, of a relation, and is therefore said to be a mechanism...**

- a) row-level authorization
- b) Column-level authentication
- c) authentication
- d) Authorization security
- e) None of these

☐ Answer - Click Here:

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