

# Virtual Memory MCQS Questions Answers in Operating Systems

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## 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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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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