T (4) Tutorials

A. 8 bit

Multiple choice Questions Digital Logic Design

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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?

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:
В
3 can be determined the Instability condition.
A. table B. logic diagram C. map D. graph
☐ Answer - Click Here:
В

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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

MCQs - Physics

MCQs - Geography

MCQs - Economics

MCQs - Statistics

MCQs - Programming C Plus

Plus

MCQs - Ethics

MCQs - Visual Programming

MCQs - Management Sciences

MCQs – Social Studies

MCQs - Communication skills

MCQs - General

Engineering MCQs Homepage

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Philosophy Of Science

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:

Α

5. Which is also known as coincidence detector?

- A. OR gate
- B. NOT gate
- C. AND gate

D. <u>NAND gate</u>
☐ 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
b. Rodding 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:
В
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 OP gate is also a pegative

10. A positive OR gate is also a negative

A. NAND gate

B. OR gate

C. NOR gate

D. AND gate

☐ Answer - Click Here:
D
11. Sum of two octal numbers "71" and "36" = A. 123 B. 127 C. 213 D. 345
☐ Answer - Click Here:
В
12. Time delay device is memory element of
A. asynchronous circuits B. synchronous circuits C. clocked flip-flops D. Unlocked flip-flops
A
SET 2: DLD MCQs
1. <u>Boolean algebra</u> is also called
A. arithmetic algebra B. switching algebra C. Both A & B D. <u>linear algebra</u> E. algebra F. None of there
☐ Answer - Click Here:
В
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:

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:
В
13. Max terms are also called
A. standard product
A. standard product B. standard sum
C. Both A & B
D. standard division
E. standard division
F. None of these
Answer - Click Here:

14. In <u>Boolean algebra</u> 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
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
L. 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:
Allower click field.
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:

19. The output is When an input signal 1 is applied to a NOT gate
A. 1
B. 0
C. Both A & B D. Either 0 & 1
E. None of the above
☐ Answer - Click Here:
В
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 <u>binary number</u> 0101 is
A. 1111
B. 1011
C. Both A & B D. 1101
E. 1110
F. None of these
☐ Answer - Click Here:
В
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:

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. <u>Decimal number 10</u> 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
A31
B. +37
C. Both A & B
D. +27 E27
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	f States	Δ	rina	counter	with	5	flin	flons	will	have?
ZJ	Nullibel C	Julius	\neg	11119	Counter	VVICII	J	HIP	HOPS	*****	Have:

A. 10

B. 5

C. Both A & B

D. 32

E. Infinite

F. None of these

☐ Answer - Click Here:

В



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