

Digital Electronics Objective Questions and Answers Pdf

Question: 1

A working diode must have

- (A) Low resistance when forward or reverse biased
- (B) High resistance when forward biased, while low resistance when reverse bias
- (C) Low resistance when forward biased, while high resistance when reverse bias
- (D) High resistance when forward or reverse biased

[View Answer](#)

Ans: C

Low resistance when forward biased, while high resistance when reverse bias

Question: 2

A Semiconductor has a

- (A) Constant Temperature coefficient of resistance
- (B) Positive Temperature coefficient of resistance
- (C) Negative Temperature coefficient of resistance
- (D) None of the above

[View Answer](#)

Ans: C

Negative Temperature coefficient of resistance

Question: 3

Which of the following parameters is used for distinguishing between a small signal and a large signal amplifier?

(A) Input/Output impedances

(B) Voltage gain

1. (C) Frequency CMOS logic has the property of

- a. Decreased area
- b. High noise margin
- c. Low static power dissipation
- d. Increased capacitance and delay

Ans: C

2. The A/D converter whose conversion time is independent of the number of bits is

- a. Counter type
- b. Flash type
- c. Dual slope type
- d. Successive approximation type

Ans: B

3. Memory interlacing technique is used to address the memory modules in order to have

- a. Faster access to a block of data
- b. Higher average utilization
- c. Reduced complexity in mapping hardware
- d. Both a and b

ANS: C

4. A D-flip flip is said to be transparent when

- a. The output is LOW
- b. The output is HIGH
- c. The output follows clock

meritnotes.com

d. The output follow input

Ans: D

5. A Boolean function can be transformed into logical

a. Graph

b. Map

c. Diagram

d. Matrix

Ans: C

6. The difference between the diagram of a NOR and OR gate is

a. OR has got a bubble at its output terminal

b. NOR has got a bubble at its output terminal

c. OR is more squared than NOR

d. OR is more oval than NOR

As: B

7. What is the requirement of full subtractor circuit?

a. three inputs and two outputs

b. three inputs and one output

c. two inputs and two outputs

d. two inputs and three outputs

Ans: C

8. Which is the example of digital device from the given option?

a. sensors

b. record players

c. microprocessors

d. thermistors

Ans: C

9. A graphical representation of a products in a truth table is called as

a. Mapping

b. Graphing

- c. T-Map
- d. K-Map

Ans: D

10. Which gate is called inequality comparator?

- a. NOR
- b. AND
- c. XOR
- d. NOT

Ans: A

meritnotes.com