

## Physics FSC Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	The output from a full wave rectifier is	A. An ac voltage B. A dc voltage C. Zero D. A pulsating unidirectional voltage
2	One use of a single p-n junction semiconductor in an electrical circuit is a	A. Rectifier B. Transistor C. Battery D. Diode
3	The gate, which changes the logic level to its opposite level is called	A. NOR gate B. AND gate C. OR gate D. NOT gate
4	The mathematical symbol for NOR operation is	B. $X = A \cdot B$ C. $X = A + D$
5	An expression for gain of an inverting amplifier is	C. $(R_{1<sub>1</sub>/sub>R_{1<sub>2</sub>/sub>})$ D. None of these
6	In case of op-amp as an inverting amplifier, $V_+ - V_- = 0$ , this is because	A. Open gain loop is very low B. Closed loop gain is very high C. Open loop gain is very high D. Both (a) and (a)
7	For normal transistor the emitter current can be given by	A. $I_{E<sub>E</sub>/sub> = I_{C<sub>C</sub>/sub>}$ B. $I_{E<sub>E</sub>/sub> = I_{C<sub>C</sub>/sub> + I_{B<sub>B</sub>/sub>}$ C. $I_{E<sub>E</sub>/sub> = I_{B<sub>B</sub>/sub>}$ D. None of these
8	The symbol of p-n-p transistor is	
9	In a certain circuit, $I_B = 40 \mu A$ , $I_C = 20 mA$	A. 450 amp B. 0.45 amp C. 5 m amp D. 500 amp
10	The circuit of full wave rectification consist of	A. Three diodes B. Four diodes C. Two diodes D. One diode
11	The potential difference across depletion region in case of Si is	A. 0.6 volt B. 0.9 volt C. 0.7 volt D. 0.2 volt
12	The semi conductor diode has the property of	A. Two way conduction B. Zero conduction C. One way conduction D. Amplification
13	The impurity in the germinium is usually in the ratio of	A. $1:10^{<sup>6</sup>}$ B. $1:10^{<sup>4</sup>}$ C. $1:10^{<sup>8</sup>}$ D. $1:10^{<sup>10</sup>}$
14	The average gap for Germanium at 0K is	A. 1.12 ev B. 0.02 ev C. 6.72 ev D. 7.2 ev
15	Which of the following has bulk modulus?	A. Water B. Gas C. Honey D. All
16	Coercive force is used to	A. Demagnetize the material B. Magnetize the material C. Extend it D. None of these

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At 0 K a piece of silicon is a

- A. Conductor
  - B. Semi-conductor
  - C. Insulator
  - D. All
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