

## Physics ICS Part 2 Chapter 18 Online MCQ's Test

Sr	Questions	Answers Choice
1	The P.D develop in case of germanium is:	A. 0.3 B. 0.7 C. 0.5 D. 0.9
2	$X=A+B$ is the mathematical notation for.	A. OR gate B. NOR gate C. NAND gate D. AND gate
3	The potential difference across the depletion region of germanium is.	A. 0.3 V B. 0.5 V C. 0.7 V D. 0.8 V
4	The sensor of light is.	A. Transistor B. LED C. Diode D. Light dependent resistance
5	Improper biasing of a transistor circuit produces:	A. Heavy loading of emitter current B. Distortion in the output signal C. Excessive heat at collector terminal D. Faulty location of load line
6	The input resistance of an op amplifier is.	A. Low B. High C. Zero D. Equal to output resistance
7	Which factor does not affect the conductivity of PN-Junction diode.	A. Doping B. Temperature C. Voltage D. Pressure
8	The ratio Beta in transistor is called.	A. Voltage gain B. Emitter gain C. Current gain D. Nuclear gain
9	The central region of a transistor is called.	A. Emitter B. Collector C. Base D. Neutral
10	The gain of transistor amplifier depends upon	A. Resistance connected with collector B. Resistance connected with base voltage C. Input voltage D. Output voltage
11	Photo diode is used for detection of.	A. Heat B. Magnet C. Current D. Light
12	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 (b)
13	Conversion of A.C into D.C is called:	A. Compton effect B. Rectification C. Amplification D. Pair production
14	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

- 15 Which component of the transistor has greater contribution of impurity.  
A. Base  
B. Emitter  
C. Collector  
D. Emitter and collector
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- 16 \_\_\_\_\_ is the building block of every electronic circuit.  
A. Semi conductor diode  
B. Resistor  
C. Capacitor  
D. Amplifier
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- 17 the number of terminals in a semiconductor diode are  
A. 2  
B. 3  
C. 4  
D. 5
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- 18 Transistor was invented by:  
A. Bardeen  
B. Micheal faraday  
C. Lenz  
D. Newton
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- 19 A two inputs NAND gat with inputs a and b has an output '0' if.  
A. B is zero  
B. A is zero  
C. Both A and B are 1  
D. Both A and B are '0'
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- 20 Automatic function of street light can be done by the use of.  
A. Inductor  
B. Rectifier  
C. Comparator  
D. emf