

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

Sr	Questions	Answers Choice
1	The potential difference across depletion region in case of Si is	A. 0.6 volt B. 0.9 volt <b>C. 0.7 volt</b> D. 0.2 volt
2	The colour of light emitted by a LED depends on.	A. It forward biased B. Its reverse biased C. Unbiased D. None of these
3	A light emitting diode emits light only when	A. Reverse biased <b>B. Forward biased</b> C. Unbiased D. None of these
4	The device which are required to convert various physical quantities into electric voltage are called.	A. Filters B. Rectifiers C. Amplifiers <b>D. Sensors</b>
5	LDR becomes necessary when op amp is used as a	A. Night switch B. Inverter <b>C. Comparator</b> D. Rectifier
6	One use of a single p-n junction semiconductor in an electrical circuit is a	<b>A. Rectifier</b> B. Transistor C. Battery D. Diode
7	The potential barrier for silicon is.	<b>A. 0.7 V</b> B. 0.5 V C. 0.3 V D. 0.9 V
8	Truth table of logic function.	A. Summarize its output values only B. Tabulates all its input conditions only <b>C. Display all its input and output possibility</b> D. Is not base on logic algebra
9	The ratio Beta in transistor is called.	A. Voltage gain B. Emitter gain <b>C. Current gain</b> D. Nuclear gain
10	Transistor was invented by:	A. Bardeen <b>B. Micheal faraday</b> C. Lenz D. Newton
11	Photo diode detects.	<b>A. Visible light</b> B. Radio waves C. X rays D. All of them
12	For automatic Switching of streetlight, the op amplifier is used as.	A. Inductor B. Converter <b>C. Comparator</b> D. Thermistor
13	Photo diode is used for detection of.	A. Heat B. Magnet C. Current <b>D. Light</b>
14	A device which converts low voltage or current to high voltage or current is called.	A. Transformer B. AC generator <b>C. Amplifier</b> D. Rectifier
15	In case of reverse biasing, current is flown due to:	<b>A. Minority charge carriers</b> B. Majority charge carriers C. Electrons

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16 Automatic function of street light can be done by the use of.  
A. Inductor  
B. Rectifier  
**C. Comparator**  
D. emf

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17 The symbol of p-n-p transistor is

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18 Base of transistor is of order:  
A.  $10^{-11}$ m  
B.  $10^{-6}$ m  
C.  $10^{-8}$ m  
**D.  $10^{-6}$ m**

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19 When a PN-Junction is reverse biased the depletion region is.  
A. Widened  
B. Narrowed  
C. Normal  
D. None of these

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20 The ratio of potential barriers of Ge to Si at room temperature is.  
A. 7:3  
B. 1:3  
C. 2:5  
**D. 3:7**

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