

Physics FSC Part 2 Chapter 18 Online MCQ's Test

Sr	Questions	Answers Choice
1	The colour of light emitted by a LED depends on.	A. It forward biased B. Its reverse biased C. Unbiased D. None of these
2	Truth table of logic function.	A. Summarize its output values only B. Tabulates all its input conditions only C. Display all its input and output possibility D. Is not base on logic algebra
3	Which diode works at reverse biasing.	A. LED B. Photo voltaic cell C. Photo diode D. Silicon diode
4	LDR becomes necessary when op amp is used as a	A. Night switch B. Inverter C. Comparator D. Rectifier
5	In a transistor, collector current is controlled by:	A. Collector voltage B. Base current C. Collector resistance D. All of the above
6	NAND gate represented by:	A. $X = A \cdot B$ B. $X = A + B$ C. $X = A \cdot B$ D. $X = A + B $
7	For rectification we use.	A. Transformer B. Diode C. Choke D. Generator
8	Photo diode detects.	A. Visible light B. Radio waves C. X rays D. All of them
9	Which one has greater cone of impurity among all:	A. Emitter B. Base C. Collector D. All are pure
10	Conversation of only one half of A.C. into D.C. is called.	A. Half wave amplification B. Wave amplification C. Half wave electrification D. Half wave rectification
11	The device which are required to convert various physical quantities into electric voltage are called.	A. Filters B. Rectifiers C. Amplifiers D. Sensors
12	Transistor was discovered by	A. Young B. Curie C. John Bardeen D. Shale's
13	the number of terminals in a semiconductor diode are	A. 2 B. 3 C. 4 D. 5
14	The ratio of potential barriers of Ge to Si at room temperatruue is.	A. 7:3 B. 1:3 C. 2:5 D. 3:7
15	Photo diode is used for detection of.	A. Heat B. Magnet C. Current D. Light

D. Light

16 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

17 In case of reverse biasing, current is flown due to:

- A. Minority charge carriers
- B. Majority charge carriers
- C. Electrons
- D. Protons

18 The p-n junction in which p side is connected to+ive and n-side is -ve the junction is said to be:

- A. Neutral
- B. Forward biased
- C. Reversed biased
- D. None of above

19 Rectification is the process of converting.

- A. D.C. into A.C.
- B. A.C. in to D.C.
- C. Low signal to high
- D. High signal to low

20 Which device is used as a rectifier?

- A. Capacitor
- B. Transistor
- C. Diode
- D. Transformer