

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

Sr	Questions	Answers Choice
1	The circuit of full wave rectification consist of	A. Three diodes B. Four diodes C. Two diodes D. One diode
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	A light emitting diode emits light only when	A. Reverse biased B. Forward biased C. Unbiased D. None of these
4	The ratio Beta in transistor is called.	A. Voltage gain B. Emitter gain C. Current gain D. Nuclear gain
5	A transistor has parts:	A. 2 B. 3 C. 4 D. 5
6	the number of terminals in a semiconductor diode are	A. 2 B. 3 C. 4 D. 5
7	Which component of the transistor has greater contrition of impurity.	A. Base B. Emitter C. Collector D. Emitter and collector
8	A diode characteristic curve is a plot between	A. Current and time B. Voltage and time C. Voltage and current D. Forward voltage and reverse voltage
9	NAND gate represented by:	A. $X = A \cdot B$ B. $X = A + B$ C. $X = \overline{A \cdot B}$ D. $X = \overline{A + B}$
10	Transistor was discovered by	A. Young B. Curie C. John Bardeen D. Shale's
11	Output resistance of an op amp is	A. High B. Low C. Zero D. Equal to input resistance
12	The input resistance of an op amplifier is.	A. Low B. High C. Zero D. Equal to output resistance
13	The sensor of light is.	A. Transistor B. LED C. Diode D. Light dependent resistance
14	In a transistor, collector current is controlled by:	A. Collector voltage B. Base current C. Collector resistance D. All of the above
15	For automatic Switching of streetlight, the op amplifier is used as.	A. Inductor B. Converter C. Comparator D. Transistor

D. Thermistor

16 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

17 During negative half cycle of A.c then p-n junction offers.

- A. High resistance
- B. Low resistance
- C. No resistance
- D. All of these

18 The output from a full wave rectifier is

- A. An ac voltage
- B. A dc voltage
- C. Zero
- D. A pulsating unidirectional voltage

19 The semi conductor diode has the property of

- A. Two way conduction
- B. Zero conduction
- C. One way conduction
- D. Amplification

20 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