

## Physics FSC Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	In Series resonance circuit the impedance of circuit at resonance frequency, is	A. Maximum B. Minimum C. It is unequal to R D. None of above
2	For automatic Switching of streetlight, the op amplifier is used as.	A. Inductor B. Converter C. Comparator D. Thermistor
3	In a certain circuit, $I_B = 40 \mu A$ , $I_C = 20 \text{ mA}$	A. 450 amp B. 0.45 amp C. 5 m amp D. 500 amp
4	In A.C circuit of inductor which one is true	A. Voltage leads current by phase angle $\pi/2$ B. Voltage lags current by $\pi/2$ C. Current leads voltage by $\pi/2$ D. Both remain in phase
5	In a transistor, collector current is controlled by:	A. Collector voltage B. Base current C. Collector resistance D. All of the above
6	Heat sensitive resistors are called.	A. resistors B. Capacitor C. Thermistors D. Inductors
7	In 'N' type material, the minority charge carriers are.	A. Free electrons B. Holes C. Protons D. Mesons
8	The circuit which compares the two voltages is.	A. LDR B. Sensor C. Comparator D. Logic gate
9	Question Image	D. None of the above
10	When a wire of length 'l' and resistance R is cut into two equal parts then resistivity of each part.	A. is doubled B. Remains the same C. Is halved D. Is one fourth
11	The SI unit of flux density is.	A. NA-1 m <sup>2</sup> B. NA-1 m <sup>-1</sup> C. NA m <sup>-1</sup> D. NA-1 m
12	Phase difference between V and I of an A.C through resistor is.	A. Zero Degree B. 90° C. 80° D. 120°
13	A current generator device converts:	A. Mechanical energy into chemical energy B. Chemical energy into electrical energy C. Mechanical energy into electrical energy D. Both b and c
14	The SI unit of stress is same as that of.	A. Pressure B. Force C. Momentum D. Work
15	The quantity/factor $h/m_0c$ has the dimensions of.	A. Length B. Time C. Mass

		D. Energy
16	Photodiode is used for wave nature of.	A. Light B. Thermal radiation C. Radi waves D. Sound waves
17	At resonance, the behavior of R-L-C series circuit is.	A. Resistive B. Capacitive C. Inductive D. Modulative
18	The mass spectrum of naturally occurring neon, showing	A. 1 isotope B. 2 isotope C. 3 isotope D. 4 isotope
19	Which one of the following paved the way for modern physics	A. Newtonian mechanics B. Theory of relativity C. Quantum theory D. All of above
20	Doping is made comparatively larger in	A. Emitter B. Base C. Collector D. P -type semi conductor