

Physics FSC Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	The reciprocal of resistance is called.	A. Capacitance B. Resistance C. Conductance D. Inductance
2	Thermistor with high - ve temperature coefficient are very accurate for measuring low temperature especially near is.	A. 10 kelvin B. 70 kelvin C. 200 kelvin D. 35 kelvin
3	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
4	The value of Rydberg constant is:	A. $1.0749 \times 10^{7-1} m^{sup-1}$ B. $1.0974 \times 10^{7-1} m^{sup-1}$ C. $1.974 \times 10^{6-1} m^{sup-1}$ D. $1.0974 \times 10^{-7-1} m^{sup-1}$
5	Donor impurities are	A. Germanium, silicon B. Indium, gallium C. Antimony, arsenic D. Diamond, carbon
6	Boher proposed his atomic model in:	A. 1910 B. 1911 C. 1912 D. 1913
7	Conductors have conductivities of order:	A. $10^{3-1} (\Omega m)^{-1}$ B. $10^{7-1} (\Omega m)^{sup-1}$ C. $10^{7-1} \Omega m^{sup-1}$ D. $10^{6-1} \Omega$
8	The SI unit of magnetic induction Tesla is equal to	A. N-1 Am B. NA m2 C. NA-1n2 D. NA-1m-1
9	Thermocouple is an arrangement of two different metals:	A. Two convert heat energy into electrical energy B. To produce more heat C. To convert heat energy into chemical energy D. To convert electrical energy into heat energy
10	The net charge on a capacitor magnitude of charge of charge	A. Infinity B. 2 q C. Q/2 D. Zero
11	The unit of Magnetic flux is called.	A. weber B. weber/m ² C. NM ⁻¹ A ⁻¹ D. None of above
12	Radioactivity happen due to the disintegration of	A. Nucleus B. Mass C. Electrons D. Protons
13	The peak to peak value of alternating voltage is	A. $2V_0$ B. V_0 D. None of these
14	During electrolysis process, density of CuSO ₄ solution	A. Remains constant B. Decreased C. Increased

		D. None of these
15	If 1×10^7 electrons passes through a conductor in 1.0 micro second , then the current is.	A. 2 A B. 1.6 A C. 2.6×10^{-6} A D. 1.6×10^{-6} A
16	Energy produced due to fission of uranium atom is:	A. 500MeV B. 200MeV C. 700MeV D. 750MEV
17	106 electrons are moving through a wire per second the current developed is:	A. 1.6×10^{-19} A B. 1 A C. 1.6×10^{-13} A D. 106 A
18	The reactance is the ratio of	A. $V_{\text{rms}}/I_{\text{rms}}$ B. $V_{\text{rms}} \times I_{\text{rms}}$ C. $I_{\text{rms}}/V_{\text{rms}}$ D. $V_{\text{max}} \times V_{\text{rms}}$
19	The charge of an alpha particle is equal to	A. -e B. +e C. -2e D. 2e
20	At high frequency, the current through a capacitor is	A. Small B. Infinity C. Zero D. Large