

Physics ICS Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	When a nucleus emits alpha particle its atomic mass decreases by	A. 1 B. 2 C. 3 D. 4
2	X-rays were discovered by	A. Curie B. Henry Becquerel C. Rontgen D. None of these
3	In a transistor, collector current is controlled by:	A. Collector voltage B. Base current C. Collector resistance D. All of the above
4	For a current carrying solenoid the term 'n' has unit as.	A. No unit B. m^{-1} C. m^{-2} D. m^{-3}
5	An A.C. voltmeter reads 220 V, its peak value will be	A. 225 V B. 240 V C. 311.12 V D. 300 V
6	Radio frequency choke is	A. Iron cored B. Air Cored C. Air as well as iron cored D. None of these
7	amu =	A. 1.06×10^{-27} kg B. 1.6606×10^{-27} kg C. 1.520×10^{-21} kg D. 1.6606×10^{-31} kg
8	The temperature of core of nuclear reactor is:	A. 1100°C B. 1200°C C. 1300°C D. 1400°C
9	Two up quarks and one down quarks makes a	A. Proton B. Neutron C. Photon D. Meson
10	The absolute electric potential at a point distance 20 cm from a charge of 2 μ C is.	A. 9×10^2 V B. 9×10^3 V C. 9×10^4 V D. 9×10^5 V
11	The condition of resonance is:	A. $X_L = 1/2 X_C$ B. $X_L = X_C$ C. $X_L = 4 X_C$ D. None of above
12	Impedance is denoted by:	A. A B. Z C. P D. Q
13	The SI unit of resistivity is.	A. Ohm m ² B. Ohm m ⁻¹ C. Ohm m D. Ohm
14	1 gray is equal to.	A. 1 JKg ⁻¹ B. 1KgJ ⁻¹ C. 1JKg D. 1 JKg ⁻²
15	Which of the following has least hysteresis loop area.	A. Steel B. Wrought Iron C. Soft Iron D. Cast Iron

D. Cobalt

16	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
17	The mean value of A.C. in a cycle is.	A. 1 B. 0 C. I2 D. Nil
18	The natural frequency of L.C circuit is equal to	
19	In according with Bohr's theory the K.E of the electron is equal to:	A. $ke^{2</sup>2</sup>/2r}$ B. $Ze^{2</sup>2</sup>/r}$ C. $Ze^{2</sup>2</sup>/r^{2</sup>2</sup>}$ D. $Ze^{2</sup>2</sup>/2r^{2</sup>2</sup>}$
20	A 50 mH coil carries a current of 2.0 a , then energy stored in tis magnetic field is.	A. 0.1 J B. 10 J C. 100 J D. 1000 J