

Physics ICS Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	Compton's effect is associated with	A. gamma rays B. Beta rays C. X rays D. Positive rays
2	Radius of first orbit of an atom is $r_1 = 0.053$ nm, Radius of second orbit r_2 will be.	A. 0.106 nm B. 0.212 nm C. 0.053 nm D. 0.53×10^{-10} nm
3	Compton shift is maximum for scattering angle of photon	A. 0° B. 90° C. 180° D. 45°
4	Materials can be identified by measuring their	A. Mass B. Half life C. Both a and b D. None of a,b,c
5	The Balmer series is obtained when all the transition of electrons terminate on	A. 1 st orbit B. 2 nd orbit C. 3 rd orbit D. 4 th orbit
6	The highest value reached by the voltage or current in one cycle is called.	A. Peak ot peak value B. Peak value C. Instantaneous value D. Root mean square value
7	Energy needed to produce an electron hole in solid state detector is.	A. 1 to 2 eV B. 3 to 4 eV C. 6 to 7 eV D. 8 to 9 eV
8	Identify the practical application of electrostatic force.	A. Inkjet printer B. x rays C. Laser D. A.C. Generator
9	The electrostatic force between two charges is 42 N, If we place a dielectric of $E_y = 2.1$ between the charges then the force become equal to.	A. 42 N B. 88.2 N C. 20 N D. 2 N
10	In Pakistan the frequency of A.C. supply is.	A. 50 Hz B. 60 Hz C. 45 Hz D. 70 Hz
11	The color code of "Green"	A. 8 B. 3 C. 5 D. 7
12	Current passing through the coil of galvanometer	A. CO/BAN B. CoN /BA C. NAB/CO D. AN/BCO
13	The direction of induced current is always so as to oppose the change which causes the current is:	A. Faraday's law B. Lenz's law C. Ohm's law D. Kirchoff's 1st rule
14	The typical nuclei are less than:	A. 10^{-16} m B. 10^{-14} m C. 10^{-12} m D. 10^{-10} m
15	The motional emf is give by	A. qvB B. IBL C. eBL D. vBL

D. vBL

16 We can never accurately describes all aspects of sbatomic particles simulatanously. It is correct according to:

- A. Uncertainty Priciple
- B. De-broglie Theory
- C. Einstin Theory
- D. Photo electric effect

17 Platinum wire becomes yellow at a temperature of.

- A. 900°C
- B. 1300°C
- C. 1600°C
- D. 500°C

18 The SI unit of flux density is.

- A. $\text{NA}^{-1} \text{m}^2$
- B. $\text{NA}^{-1} \text{m}^{-1}$
- C. NAm^{-1}
- D. $\text{NA}^{-1} \text{m}$

19 Unit of self inductance is

- A. Weber
- B. Tesla
- C. Henry
- D. Farad

20 A capacitor stores energy in the form of.

- A. Magnetic field
- B. Heat energy
- C. Electrical energy
- D. Mechanical energy