

Physics ICS Part 2 Chapter 14 Online MCQ's Test

Sr	Questions	Answers Choice
1	A photon while passing through a magnetic field are deflected towards:	A. North pole B. South pole C. Are ionized D. None of these
2	The torque in the coil can be increased by increasing:	A. No. of turns B. Current and magnetic field C. Area of coil D. All of the above
3	One weber is equal to:	A. $N \cdot A ²/m$ B. $N \cdot m ²/A$ C. $N \cdot A/m$ D. $N \cdot m/A$
4	Grid in cathode ray oscilloscope controls.	A. Number of electron B. Temperature of filament C. Frequency of electron D. Energy of electrons
5	If the length and number of turns of a solenoid are doubled strength of magnetic field with.	A. Be doubled B. Become half C. Not change D. Be four time
6	To convert a galvanometer into an ammeter, we connect with it a	A. Shunt resistance B. Low value parallel C. Low value by pass resistor D. All of above
7	Magnetism is related to:	A. Stationary charges B. Moving charges C. Stationary & Moving charges D. Law of motion
8	If an electron is projected in a magnetic field with velocity V , it will experience a force	A. Zero B. Double C. One fourth D. Four times
9	If a charge is at rest in a magnetic field then force on charge is	A. Inductor B. Voltmeter C. Capacitor D. Galvanometer
10	A device used for detection of current is called.	A. Cross B. a bracket C. A dot D. Positive sign
11	A Current flowing towards the reader is denoted by.	A. 1×10^{-6} N B. 6.4×10^{-17} N C. 3.6×10^{-24} N D. 4×10^6 N
12	An electron moves at 2×10^2 m/sec perpendicular to magnetic field of 2T what is the magnitude of magnetic force:	A. two times B. three times C. four times D. Half
13	If current flowing through a solenoid becomes four times, then magnetic field inside becomes.	A. Very small B. Very high C. Neither small nor high D. None of the above
14	For accurate measurement of current through a circuit, the resistance of ammeter should be	A. Half B. Double C. Remain same D. Zero
15	If the number of turns become double but length remain same, then magnetic field in the solenoid become.	A. Circular B. Square C. Sinusoidal
16	In CRO, the output waveform of time base generator is	

D. Saw-toothed

17 1 tesla =

- A. 1 MA m^{-1}
- B. $1 \text{ NA}^{-1} \text{ m}$
- C. $1 \text{ NA}^{-1} \text{ m}^{-1}$
- D. None of above

18 The SI unit of magnetic induction 'B' Tesla is equal to.

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

19 If the length of solenoid is doubled but N same, B inside the solenoid becomes.

- A. Half
- B. Doubled
- C. One fourth
- D. Four times

20 The SI unit of magnetic induction Tesla is equal to

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