

Physics 10th Class English Medium Online Test

Sr	Questions	Answers Choice
1	If current is flowing from bottom end to the top end in a wire, according to right hand rule the direction of line of forces would be:	A. Anti-clock wise B. Clock wise C. Left and Right D. Along the conductor.
2	The number of lines of force in a magnetic field depends upon.	A. Shape of coil B. Size of coil C. Magnet D. Strength of field
3	Transformer Works on the principle of:	A. Self induction B. Mutual induction C. Electro static D. Induction
4	Iron core is used in tranformer to:	A. Enhance the flux B. Decrease the flux C. Keep flux the same D. both a and b
5	A transformer has $N_p = 100$ and $N_s = 500$, if 6 volt D.C is applied across its primary, the induced voltage.	A. 0 V B. 30 V C. 45 V D. 60 V
6	The turn ratios of a transformer is 10. It means.	A. $I_s = 10I_p$ B. $N_s = N_p$ C. $N_s = 10N_p$ D. $V_s = V_p / 10$
7	The step-up transformer	A. Increases the input current B. Increase the input voltage C. Has more turns in the primary D. Has less turns in hte secondary coil
8	The direction of induced e.m.f. in a circuit is in accordance with conservation of.	A. Mass B. Charge C. Momentum D. Energy
9	Which part of a D.C. motor reverses the direction of current through the coil every half-cycle.	A. The armature B. The commutator C. The burshes D. The slip rings
10	D.C. motor converts.	A. Mechanical energy into electrical energy B. Mechanical energy into chemical energy C. Electrical energy into mechanical energy D. Electrical energy into chemical energy
11	If the current in a wire which is placed perpendicular to a magnetic field increases, the force on the wire.	A. Increases B. Decreases C. Remains the same D. Will be zero
12	The presence of a magnetic field can be detected by a	A. small mass B. Stationary positive charge C. Stationary negative charge D. Magnetic compass