

Electromagnetism

Sr	Questions	Answers Choice
1	The true ratio of a transformer is 10. It means:	<p>A. $V_s = 10V_p$ B. $N_s = N_p/10$ C. $N_s = 10N_p$ D. $V_s = V_p/10$</p>
2	A transformer has $N_p = 100$ and $N_s = 500$, if 6 volt D.C is applied across its primary, the induced voltage.	<p>A. 0 V B. 30 V C. 45 V D. 60 V</p>
3	Which device has two coils, primary and secondary?	<p>A. D.C. Motor B. Transformer C. A.C. generator D. a and b</p>
4	In electric motor, the brushes are made of:	<p>A. Lead B. Graphite C. Iron D. Wood</p>
5	Which part of a D.C. motor reverses the direction of current through the coil every half-cycle.	<p>A. The armature B. The commutator C. The brushes D. The slip rings</p>
6	Optical fibres works on the principle of:	<p>A. <p>Reflection</p></p> <p>B. <p>Refraction</p></p> <p>C. <p>Total internal reflection</p></p> <p>D. <p>Diffraction</p></p>
7	The minimum value of angle of deviation is called:	<p>A. <p>Minimum angle</p></p> <p>B. <p>Incident angle</p></p> <p>C. <p>Angle of minimum deviation</p></p> <p>D. <p>None of these</p></p>
8	The force on a current carrying conductor is maximum if angle between field and conductor is:	<p>A. 0° B. 90° C. 180° D. 45°</p>
9	When we heat the metal at high temperature they emit:	<p>A. <p>Holes</p></p> <p>B. <p>Protons</p></p> <p>C. <p>Neutrons</p></p> <p>D. <p>Electrons</p></p>
10	In NOT gate number of input terminals is/are:	<p>A. 1 B. 2 C. 3 D. 4</p>
11	The ray of light after reflection from concave mirror passes through:	<p>A. <p>Centre</p></p> <p>B. <p>Principal focus</p></p> <p>C. <p>Pole</p></p> <p>D. <p>Radius</p></p>

12	What is the direction of the magnetic field lines inside a bar magnet?	A. From north pole to south pole B. From south pole to north pole C. From side to side D. There are no magnetic field lines.
13	According to Fleming's left hand rule the direction of magnetic field is indicated by:	A. Thumb B. Forefinger C. Middle finger D. Right hand rule
14	Which animal have ability to move his eye lens:	A. <p class="MsoNormal">Snake<o:p> </o:p></p> B. <p class="MsoNormal">Fish<o:p> </o:p></p> C. <p class="MsoNormal">Ant<o:p> </o:p></p> D. <p class="MsoNormal">Tiger<o:p> </o:p></p>
15	George Boole invented:	A. <p class="MsoNormal">Boolean algebra<o:p></o:p></p> B. <p class="MsoNormal">Arithmetic algebra<o:p></o:p></p> C. <p class="MsoNormal">Mean algebra<o:p></o:p></p> D. <p class="MsoNormal">Geometry<o:p> </o:p></p>
16	If the change of current in a circuit induces a current in another circuit, this phenomena is known as:	A. Self induction B. Mutual induction C. Electromagnetic induction D. None mutual induction
17	When did Michael Faraday discover Electromagnetic induction?	A. 1841 B. 1831 C. 1821 D. 1811
18	Spherical mirrors are used in:	A. <p class="MsoNormal">Medical<o:p> </o:p></p> B. <p class="MsoNormal">Search light<o:p></o:p></p> C. <p class="MsoNormal">Microscope<o:p> </o:p></p> D. <p class="MsoNormal">All of these<o:p></o:p></p>
19	The end of solenoid from which lines of force emerge out is called:	A. North pole B. South pole C. North and south pole D. None of these
20	In D.C.motor split rings are made of:	A. Steel B. Carbon C. Copper D. Iron