

Electromagnetism

Sr	Questions	Answers Choice
1	Changing magnetic field in a closed circuit can induce:	<p>A. e.m.f B. Electric current C. Force D. Both A and B</p>
2	In NOT gate number of input terminals is/are:	<p>A. 1 B. 2 C. 3 D. 4</p>
3	When we heat the metal at high temperature they emit:	<p>A. α particles B. Protons C. Neutrons D. Electrons</p>
4	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>
5	Which device has two coils, primary and secondary?	<p>A. D.C. Motor B. Transformer C. A.C. generator D. a and b</p>
6	The speed of light in water is:	<p>A. 2.0×10^3 ms⁻¹ B. 2.5×10^3 ms⁻¹ C. 2.3×10^8 ms⁻¹ D. 2.3×10^8 ms⁻¹</p>
7	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>
8	Optical fibres works on the principle of:	<p>A. Reflection B. Refraction C. Total internal reflection D. Diffraction</p>
9	Iron core is used in transformer to:	<p>A. Enhance the flux B. Decrease the flux C. Keep flux the same D. both a and b</p>
10	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>
11	In C.R.O grid is always connected with potential:	<p>A. Negative B. Positive C. High</p>

		<p>positive</p> <p>D. Zero</p> <p>positive</p>
12	In totally reflecting prism one angle is of 90° , and other two angles are of:	<p>A. $30^\circ, 30^\circ$</p> <p>B. $45^\circ, 90^\circ$</p> <p>C. $45^\circ, 45^\circ$</p> <p>D. $40^\circ, 40^\circ$</p>
13	Who discovered Electromagnetic induction?	<p>A. Michael Faraday</p> <p>B. Flemiing</p> <p>C. Ohm</p> <p>D. Coulomb</p>
14	Eight bits combine to form:	<p>A. A byte</p> <p>B. Megabyte</p> <p>C. Kilobyte</p> <p>D. Gigabyte</p>
15	Which animal have ability to move his eye lens:	<p>A. Snake</p> <p>B. Fish</p> <p>C. Ant</p> <p>D. Tiger</p>
16	George Boole invented:	<p>A. Boolean algebra</p> <p>B. Arithmetic algebra</p> <p>C. Mean algebra</p> <p>D. Geometry</p>
17	Number of poles in a magnet is:	<p>A. One</p> <p>B. Two</p> <p>C. Three</p> <p>D. Unlimited</p>
18	Transformer works on _____ supply.	<p>A. A.C</p> <p>B. D.C</p> <p>C. Battery</p> <p>D. Both A and B</p>
19	The cathode ray oscilloscope consists of main parts:	<p>A. Two</p> <p>B. Three</p> <p>C. Four</p> <p>D. Five</p>
20	The angle at which prism deviates the incident ray is called:	<p>A. Angle of incident</p> <p>B. Angle of reflection</p> <p>C. Angle of deviation</p> <p>D. Angle of minimum deviation</p>