Electromagnetism

Sr	Questions	Answers Choice
1	The force on a current carrying conductor is maximum if angle between field and conductor is:	A. 0° B. 90° C. 180° D. 45°
2	The output of a NAND gate is 0 when:	A. Both of its inputs are 0<o:p></o:p> B. Both of its inputs are 1<o:p></o:p> C. Any of its inputs is 0<o:p></o:p> D. Any of its inputs is 1<o:p></o:p>
3	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.
4	When did Michael Faraday discover Electromagnetic induction?	A. 1841 B. 1831 C. 1821 D. 1811
5	A.C generator works on the principle of:	A. Electrostatic induction B. Electromagnetic induction C. Law of gravitation D. Third law of motion
6	According to Fleming's left hand rule the direction of force on the conductor is given by:	A. Thumb B. Fore finger C. Middle finger D. None of these
7	The line which passes through pole of the mirror and center of curvature is called principal:	A. Axis<o:p></o:p> B. Focus<o:p></o:p> C. Line<o:p></o:p> D. None of these<o:p></o:p>
8	In A.C. generator flux will be zero if coil is to the field.	A. 90° B. 45° C. Parallel D. Inclined
9	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
10	The shape of magnetic lines of force in case of a straight current carrying conductor is:	A. Eliptical B. Trangular C. Rectangular D. Circular
11	According to coulomb's law, what happens to the attraction of two oppositely charged objects as their distance of separation increases:	A. Increases<o:p></o:p> B. Decreases<o:p></o:p> C. Remains unchanged<o:p></o:p> D. Cannot be determined<o:p></o:p>
12	George Boole invented:	A. Boolean algebra<o:p></o:p> B. Arithmetic algebra<o:p></o:p> C. Mean algebra<o:p></o:p>

		D. Geometry<o:p></o:p>
13	The magnetic field of a solenoid resembles as:	A. Iron wire B. U-shape magnet C. Bar magnet D. Point charge.
14	The standard group of bits in digital electronic is:	A. 5 bits<o:p></o:p> B. 6 bits<o:p></o:p> C. 7 bits<o:p></o:p> D. 8 bits<o:p></o:p>
15	The minimum value of angle of deviation is called:	A. Minimum angle<o:p></o:p> B. Incident angle<o:p></o:p> C. Angle of minimum deviation<o:p></o:p> D. None of these<o:p></o:p>
16	The cathode ray oscilloscope consists of main parts:	A. Two<o:p></o:p> B. Three<o:p></o:p> C. Four<o:p></o:p> D. Five<o:p></o:p>
17	The voltage is decreased by:	A. Step-up transformer B. Step-down transformer C. A.C. generator D. D.C. Motor
18	A converging lens becomes a magnifying glass when an object is placed:	A. Outside of focal length<o:p></o:p> B. Inside the focal length<o:p></o:p> C. Equal of focal length<o:p></o:p> D. At double of focal length<o:p></o:p>
19	A current carrying conductor produces a field around it is called:	A. Electric field B. Magnetic field C. Both a and b D. None of these
20	In electric motor, the brushes are made of:	A. Lead B. Graphite C. Iron D. Wood