Electromagnetism

Sr	Questions	Answers Choice
1	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>
2	Who discovered Electromagnetic induction?	A. Michael Faraday B. Flemiing C. Ohm D. Coulomb
3	In compound microscope, the objective have focal length than eye-piece:	A. Smaller<o:p></o:p> B. Larger<o:p></o:p> C. Equal<o:p></o:p> D. Equal and larger<o:p></o:p>
4	One micro coulomb charge is equal to:	A. 10⁻³c<o:p></o:p> B. 10³c<o:p></o:p> C. 10⁶c<o:p></o:p> D. 10⁻⁶c<o:p></o:p>
5	Spherical mirrors are used in:	A. Medical<o:p></o:p> B. Search light<o:p></o:p> C. Microscope<o:p></o:p> D. All of these<o:p></o:p>
6	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
7	Bouncing back of light after striking the surface is called:	A. <span style="font-size:11.0pt;line-height:107%; font-family:"Calibri",sans-serif;mso-ascii-theme-font:minor-latin;mso-fareast-font-family: Calibri;mso-fareast-theme-font:minor-latin;mso-hansi-theme-font:minor-latin; mso-bidi-font-family:Arial;mso-bidi-theme-font:minor-bidi;mso-ansi-language: EN-US;mso-fareast-language:EN-US;mso-bidi-language:AR-SA">Refraction B. Reflection<o:p></o:p> C. Diffraction<o:p></o:p> D. Interference<o:p></o:p>
8	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
	When a ray of light enters from denser medium to rare medium, the angle of	A. Angle of incidence<o:p></o:p> B. Critical

9	When a ray of light enters from denser medium to rare medium, the angle of incidence for which angle of refraction is 90° is called:	angle<o:p></o:p> C. Angle of refraction<o:p></o:p> D. Angle of deviation<o:p></o:p>
10	When did Michael Faraday discover Electromagnetic induction?	A. 1841 B. 1831 C. 1821 D. 1811
11	Number of poles in a magnet is:	A. One B. Two C. Three D. Unlimited
12	The lines will be in the form of concentric circles, if conductor is:	A. Circular B. Straight C. Solenoid D. None of these
13	The magnetic field of a solenoid resembles as:	A. Iron wire B. U-shape magnet C. Bar magnet D. Point charge.
14	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
15	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>
16	Eight bits combine to form:	A. A byte<o:p></o:p> B. Megabyte<o:p></o:p> C. Kilobyte<o:p></o:p> D. Gigabyte<o:p></o:p>
17	Which device has two coils, primary and secondary?	A. D.C. Motor B. Transformer C. A.C. genrator D. a and b
18	The number of lines of force in a magnetic field depends upon.	A. Shape of coil B. Sixe of coil C. Magnet D. Strength of field
19	Totally reflecting prism is used in:	A. Periscope<o:p></o:p> B. Binoculars<o:p></o:p> C. Periscope and binocular<o:p></o:p> D. Telescope<o:p></o:p>
20	In totally reflecting prism one angle is of 90°, and other two angles are of:	A. 30°,30°<o:p></o:p> B. 45°,90°<o:p></o:p> C. 45°,45°<o:p></o:p> D. 40°,40°<o:p></o:p>