Electromagnetism

Sr	Questions	Answers Choice
1	Transformer Works on the principle of:	A. Self induction B. Mutual induction C. Electro statatic D. Induction
2	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>
3	The instrument which is used to display the magnitude of changing electric current is called:	A. Evacuated tube<o:p></o:p> B. Cathode rays oscilloscope<o:p></o:p> C. Television tube<o:p></o:p> D. Picture tube<o:p></o:p>
4	Which device is used to increases / decreases A.C Voltage?	A. Electric motor B. Transformer C. A.C Generator D. Solenoid
5	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>
6	Optical fibres works on the principle of:	A. Reflection<o:p></o:p> B. Refraction<o:p></o:p> C. Total internal reflection<o:p></o:p> D. Diffraction<o:p></o:p>
7	The value of refractive index of water is:	A. 2.33<o:p></o:p> B. 1.36<o:p></o:p> C. 1.33<o:p></o:p> D. 1.39<o:p></o:p>
		A. Minimum

8	The minimum value of angle of deviation is called:	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>
9	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
10	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
11	The refracted light striking to the side of prism is called:	A. Refracted ray<o:p></o:p> B. Incident ray<o:p></o:p> C. Reflected ray<o:p></o:p> D. Emergent ray<o:p></o:p>
12	A transformer has Np =100 and Ns =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
13	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
14	The force on a current carrying conductor is maximum if angle between field and conductor is:	A. 0° B. 90° C. 180° D. 45°
15	The ray of light after reflection from concave mirror passes through:	A. Centre<o:p></o:p> B. Principal focus<o:p></o:p> C. Pole<o:p></o:p> D. Radius<o:p></o:p>
16	An object gains excess negative charge after being rubbed against another object, which is:	A. Neutral<o:p></o:p> B. Negatively charged<o:p></o:p> C. Positively charged<o:p></o:p> D. Either, a, b or c<o:p></o:p>
17	Two uncharged objects a and b are rubbed against each other. When object b is placed near a negatively charged object c, the two objects repel each other. Which of these statements is true about object a:	A. Remains uncharged<o:p></o:p> B. Becomes positively charged<o:p></o:p> C. Becomes negatively charged<o:p></o:p> D. Unpredictable<o:p></o:p>
18	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>
19	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
20	If the change of current in a circuit induces a current in another circuit, this phenomena is	A. Self induction B. Mutual induction

20	If the change of current in a circuit induces a current in another circuit, this phenomena is known as:	B. Mutual induction C. Electromagnetic induction D. None mutual induction