Electromagnetism

Sr	Questions	Answers Choice
1	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>
2	In NOT gate number of input terminals is/are:	A. 1 B. 2 C. 3 D. 4
3	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>
4	Who discovered Electromagnetic induction?	A. Michael Faraday B. Flemiing C. Ohm D. Coulomb
5	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>
6	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>
7	When did Michael Faraday discover Electromagnetic induction?	A. 1841 B. 1831 C. 1821 D. 1811
8	Changing magnetic field in a closed circuit can induce:	A. e.m.f B. Electric current C. Force D. Both A and B
9	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>
10	In totally reflecting prism one angle is of:	A. 45°<o:p></o:p> B. 90°<o:p></o:p>

		C. 180°<o:p></o:p> D. 120°<o:p></o:p>
11	When a current carrying conductor is placed in magnetic field at right angle to it. The direction of force acting upon it is:	A. The same as direction of field B. Opposite the direction of field C. Makes an angle of 45^owith the current D. At right angle to both the field and the current.
12	The step-up transformer	A. Increases the input current B. Increase the input voltage C. Has more turns in the primary D. Has less turns in hte secondary coil
13	The speed of light in water is:	A. 2.0x10³ ms⁻¹<o:p></o:p> B. 2.5x10³ ms⁻¹<o:p></o:p> C. 2.3x10⁸ ms⁻¹<o:p></o:p> D. 2.3x10⁻⁸ ms⁻¹<o:p></o:p>
14	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
15	The refractive index of ice is:	A. 1.00<o:p></o:p> B. 1.33<o:p></o:p> C. 1.31<o:p></o:p> D. 2.42<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 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>
18	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>
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	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>