Current Electricity

Sr	Questions	Answers Choice
1	What is the power rating of a lamp connected to a 12 v source when it carries 2.5 A?	A. 4.8 W B. 14.5 W C. 30 W D. 60 W
2	The screen of a cathode ray tube consists of a thin layer of:	A. Sodium<o:p></o:p> B. Nitrogen<o:p></o:p> C. Oxygen<o:p></o:p> D. Phosphorus<o:p></o:p>
3	In OR operation inputs are connected as:	A. Series<o:p></o:p> B. Parallel<o:p></o:p> C. Both series or parallel<o:p></o:p> D. None of these<o:p></o:p>
4	An electric current in conductors is due to the flow of:	A. Positive ions B. Negtive ions C. Positive charge D. free electron
5	The A.C. used in our houses has frequency _____ cycle/sec	A. 60 B. 30 C. 50 D. 130
6	Example of mechanical waves is:	A. Radio waves<o:p></o:p> B. X-rays<o:p></o:p> C. Light waves<o:p></o:p> D. Sound waves<o:p></o:p>
7	The center of curved surface of spherical mirror is called:	A. Focus<o:p></o:p> B. Axis<o:p></o:p> C. Centre<o:p></o:p> D. Pole<o:p></o:p>
8	The combined resistance of two identical resistors, connected in series is 8Ω. Their combined resistance in a parallel arrangement will be:	A. 2Ω <!--[endif]--><o:p></o:p> B. 4Ω C. 8Ω D. 12Ω
9	As the temperature of a conductor rises, its resistance.	A. Increase B. Decrease C. Does not change D. None of these
		A. Mechanical

10	Battery converts chemical energy into which energy:	B. Electrical C. Thermal D. None of these
11	The unit of potential difference is:	A. Volt B. Coulomb C. Ampere D. Joule
12	The mirror whose outer surface is reflecting is called:	A. Concave mirror<o:p></o:p> B. Convex mirror<o:p></o:p> C. Mirror<o:p></o:p> D. Lens<o:p></o:p>
13	What is the voltage across a 6Ω resister when 3A current passes through it?	A. 2V B. 9V C. 18V D. 36V
14	Which we double the voltage in a simple electric circuit. We double the	A. Current B. Power C. Resistance D. both a and b
15	A converging mirror with a radius of 20cm creates a real image 30 cm from the mirror. What is the object distance:	A. 5.0 cm<o:p></o:p> B. 7.5 cm<o:p></o:p> C. 15 cm<o:p></o:p> D. 20 cm<o:p></o:p>
16	The distance between principal focus and pole of mirror is called:	A. Principal focus<o:p></o:p> B. Focal length<o:p></o:p> C. Aperture<o:p></o:p> D. Image<o:p></o:p>
17	J.J Thomson observed deflection of cathode rays in:	A. 1895<o:p></o:p> B. 1896<o:p></o:p> C. 1897<o:p></o:p> D. 1998<o:p></o:p>
18	In mathematical form of Ohm's law, "R" is:	A. Resistance B. Specific resistance C. Resistor D. Resistivity
19	Which type of image is produced by the converging lens of human eye if it views a distant object:	A. Real, erect, same size<o:p></o:p> B. Real, inverted, diminished<o:p></o:p> C. Virtual, erect, diminished<o:p></o:p> D. Virtual, inverted, magnified<o:p></o:p>
20	A conductor of electric current is:	A. Wood B. Rubber C. Plastic D. Copper