Current Electricity

Sr	Questions	Answers Choice
1	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>
2	Electric current in conductors is due to the flow of:	A. Positive ions B. Negative ions C. Positive charge D. Free electrons
3	An object is 14 cm in front of a convex mirror. The image is 5.8 cm behind the mirror. What is the focal length of the mirror:	A. -4.1 cm<o:p></o:p> B. -8.2 cm<o:p></o:p> C. -9.9 cm<o:p></o:p> D. -20 cm<o:p></o:p>
4	The current which changes its direction is called:	A. Current B. A.C. C. Conventional current D. D.C.
5	Specific resistance of silver = _____ x 10^{-S}Ohm-meter	A. 5.25 B. 2.75 C. 1.69 D. 1.62
6	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>
7	Which of the following quantities is not change during refraction of light:	A. Its direction<o:p></o:p> B. Its speed<o:p></o:p> C. Its frequency<o:p></o:p> D. Its wavelength<o:p></o:p>
8	The sensation of sound persists in our brain for:	A. 0.1 sec<o:p></o:p> B. 0.01 sec<o:p></o:p> C. 1 sec<o:p></o:p> D. 10 sec<o:p></o:p>
9	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
10	What is the voltage across a 6Ω resister when 3A current passes through it?	A. 2V B. 9V C. 18V D. 36V
		A. Ω

11	The unit of (ρ) in formula R=ρ.L/a is_____.	B. Ω-m C. Ω-m² D. Ω-m⁻²
12	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>
13	Which one is a safety device?	A. Switch B. Fuse C. Circuit breaker D. Both B and C
14	What should household appliances be connected in parallel with the voltage source?	A. to increase the resistance of the circuit B. to decrease the resistance of the circuit C. to provide each appliance the same voltage as the power source D. to provide each appliance the same current as the power source
15	The resistance of voltmeter is:	A. zero B. low C. Very high D. 10Ω
16	The S.I unit of electric power is:	A. Volt B. Watt C. Ampere D. Joule
17	An object is placed at the Centre of curvature of a concave mirror. The image produced by the mirror is located:	A. Out beyond the centre of curvature<o:p></o:p> B. At the centre of curvature<o:p></o:p> C. Between the centre of curvature and the focal point<o:p></o:p> D. At the focal point<o:p></o:p>
18	The S.I unit of electric current is:	A. Volt B. Ampere C. Coulomb D. Watt
19	In medical field, C.R.O is used to display:	A. Heart beats<o:p></o:p> B. Pictures of organs<o:p></o:p> C. Pictures of bones<o:p></o:p> D. Blood pressure<o:p></o:p>
20	Current is equal to:	A. IR² B. CV C. Q/t D. IR