

SLIP TEST- 11
CHAPTER- 11 : ELECTRIC CURRENT

Name:..... Section:..... Roll No:..... Max.Marks:20

I. Answer the following questions. Each carries four marks. 2 x 4 = 8 M

- 1) State Ohm’s law. How can you prove it experimentally ?
- 2) Explain two kirchoff’s laws with examples.

II. Answer the following questions briefly. Each carries two marks. 2 x 2 = 4 M

- 3) What happens to the resistance of a conductor if we increase its area of cross-section? Explain.
- 4) Write differences between Ohmic and non-ohmic conductors.

III. Answer the following in one or two sentences. Each carries one marks. 2 x 1 = 2 M

- 5) Silver is a better conductor of electricity than copper. Why do we use copper wire for conduction of electricity?
- 6) Define e.m.f.

IV. Choose the correct choice and write down in the given brackets. 6 x 1 = 6 M

7) 1 Joule/Coulomb = []

- A. 1 Watt B. 1 Volt C. 1 Ampere D. 1 Ohm

8) Three resistors of values 1Ω, 2Ω, 3Ω are connected in series. The equivalent resistance of connection of resistors is []

- A. 6Ω B. 7Ω C. 1Ω D. $\frac{2}{3} \Omega$

9) The current in the wire depends []

- A. Only on the potential difference applied
- B. Only on the resistance of the wire
- C. On both of them
- D. None of them

10) Symbol of a battery []

- A.  B. 
- C.  D. 

11) The metal having least resistivity is []

- A. Gold B. Copper C. Silver D. Aluminium

12) 1 KWH = Joule []

- A. 3.6×10^5 B. 4.0×10^5 C. 36×10^5 D. 6.6×10^5

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