NATIONAL MODEL SENIOR SECONDARY SCHOOL

COIMBATORE

CLASS X: ELECTRICITY

ONLINE WORKSHEET

Answer the Following:

1. The current that flows from positive to negative plate of the battery.

   (a) Electron current (b) Conventional current

   (c) Steady current (d) alternating current

2. The unit of electric current is

   (a) volt (b) Ampere (c) Coulomb (d) Joule

3. 1 Ampere is _____

   (a) 1 Coulomb / 1 Joule (b) 1 Joule / 1 sec

   (c) 1 Coulomb / 1 sec (d) 1sec / 1 Coulomb

4. Electric circuit is _____ and _____ path for electric current

   (a) Continuous and open (b) Discontinuous and closed

   (c) Continuous and closed (d) Discontinuous and open

5. If the circuit is broken, the current _____ flowing and bulb _____

   (a) stops and does not glow (b) stops and glows

   (c) starts and glows (d) starts and does not glow

6. In which of the following material current flows

   (a) Plastic (b) Conductor (c) Wood (d) Porcelain

7. 1 milliampere = _____

   (a) 10^{-2} ampere (b) 10^{-4} ampere

   (c) 10^{-3} ampere (d) 10^{-6} ampere

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8. Charge of an electron is

(a) 16×10^{-16} C (b) 1.6×10^{-19} C

(c) 1.6×10^{-18} C (d) 16×10^{-19} C

9. Number of electrons constituting 32 C of charge is

(a) 2×10^{-19} C (b) 200×10^{-19} C

(c) 0.2×10^{-19} C (d) 20×10^{-19} C

10. Find the total charge flowing through a lamp of 10 A for 5 sec

(a) 5 A (b) 50 A (c) 2A (d) 20A

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