

## 6. Electric Current

1. The Kilowatt hour is the unit of \_\_\_\_
2. The S.I Unit of potential difference is \_\_\_\_.
3. Units of resistance \_\_\_\_.
4. The surface of earth is taken to be at \_\_\_\_ potential.
5. Kirchhoff's loop law is based on the conservation of \_\_\_\_.
6. Voltmeter is always connected \_\_\_\_ in a circuit.
7. Units of specific resistant \_\_\_\_.
8. A thick wire has a \_\_\_\_ resistance than a thin wire.
9. S.I unit of electric power is \_\_\_\_.
- 10.1 KWH = \_\_\_\_ Joules.
11. The magnitude of electric charge is \_\_\_\_ C ( )  
a)  $1.602 \times 10^{-19}$     b)  $1.206 \times 10^{-19}$     c)  $1.062 \times 10^{-19}$     d) None
12. The S.I unit of electric current ( )  
a) Ampere    b) Coulomb    c) Volts    d) Ohms
13. In the battery chemical energy is converted in to \_\_\_\_ Energy. ( )  
a) Mechanical    b) Electrical    c) Magnetic    d) Heat
14. The material which offers resistance to motion of electrons is called. ( )  
a) Insulator    b) Conductor    c) Resistor    d) Semi Conductor
15. The S.I unit of resistance is \_\_\_\_\_. ( )  
a) Volt    b) Ohm    c) Ampere    d) Joule
16. The S.I unit of Specific resistance (or) resistivity is \_\_\_\_\_. ( )  
a) ohm/metre    b) ohm-metre    c) ohm    d) Ohm-Metre
17. Specific resistance depends upon \_\_\_\_\_. ( )  
a) Temperature    b) Nature of Material  
c) Length of Material    d) a & b

