21. **The material which offers resistance to the motion of electrons is called .....**

A) resistor B) conductor ( )

C) non – conductor D) none

22. **Electric power = ...** ( )

A) $V = iR$ B) $\rho = Vi$

C) $\varepsilon = \rho t$ D) none of these

23. **The SI unit of power is .....** ( )

A) Volt B) Ampere

C) Watt D) KWH

24. **Electric energy = ...** ( )

A) $V = iR$ B) $\rho = Vi$

C) $\varepsilon = \rho t$ D) none of these

25. **The SI unit of electric energy is .....** ( )

A) Volt B) Ampere

C) Watt D) KWH

26. **The unit of electric current is** ( )

A) Coulomb B) Ohm

C) Volt D) Ampere

27. $\frac{\text{1 Volt}}{\text{1 Ampere}}$ = ( )

A) 1 Ohm B) 1 Joule

C) 1 Watt-hour D) 1 Watt

28. **The arrangement in an electrical circuit that prevents short circuit is** ( )

A) fridge B) fuse

C) tap-key D) multimeter

29. **Unit of work in S.I. system is** ( )

A) Newton B) Erg

C) Joule D) Ampere

30. **Example for an insulator** ( )

A) human body B) pure water

C) salt water D) acid

31. **An example of Ohmic conductor** ( )

A) copper B) nichrome

C) germanium D) silicon

32. **Fuse wire is an alloy of** ( )

A) copper + zinc

B) copper + tin

C) aluminium + copper + zinc

D) tin + lead

33. **Watt is the unit of** ( )

A) specific resistance

B) power

C) work

D) potential difference

34. **1 volt × 1 coulomb =** (

A) 1 Ohm B) 1 Ampere

C) 1 Joule D) 1 Watt

35. **The number of electrons that flow past point in a conductor if 1 Ampere of curre passes through it :** (

A) 6.95×10^{18} B) 6.25×10^{18}

C) 1.6×10^{20} D) 2.35×10^{19}

36. **The electrical appliance that gives stea e.m.f. is** (

A) Ammeter B) Voltmeter

C) Motor D) Battery

37. **The mathematical representation of Ohr law :** (

A) $I = \frac{R}{V}$ B) $I = \frac{V}{R}$

C) $I = V \times R$ D) $I = V + R$

38. **The resistance of a resistor depends c**

A) nature of material (

B) length of the element

C) cross-sectional area

D) all of these

39. **The electric current is ..... quantity.** (

A) vector B) scalar

C) scalar or vector D) none of these

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