



19. Which unit is used to measure capacitance value?

- A) Mho  
B) Ohm  
**C) Farad**  
D) Henry (Incorrect)

20. Which meter is used to find the exact resistance value of resistors?

- A) Ammeter  
B) Volt meter (Incorrect)  
**C) Ohm meter**  
D) Watt meter

21. Find the total resistance value of 10 ohms and 20 ohms connected in parallel.

- A) 6.666 Ohms**  
C) 666.6 Ohms (Incorrect)  
B) 66.66 Ohms  
D) 6666 Ohms

22. Find the total inductance value of two inductors 10H and 15H of connected in series.

- A) 05 H  
C) 15 H  
B) 10 H  
**D) 25 H (Correct)**

23. What is the name of effect of changing current in one coil, induces EMF in nearby coil?

- A) Coupling  
C) Self induction  
B) Induction (Incorrect)  
**D) Mutual induction**

24. Why the transformer core is made as thin laminations?

- A) To minimize eddy current losses**  
C) To maximize eddy current losses  
B) To increase the hysteresis losses (Incorrect)  
D) To increase core saturation losses

25. How the gas and liquefied gases are classified

- A) Class A fire  
C) Class C fire (Incorrect)  
**B) Class B fire**  
D) Class D fire

26. Which fire extinguisher is used to put off class C type of fire?

- A) Foam type  
**C) Dry powdered**  
B) Jet of water  
D) Carbon-di-oxide (Incorrect)

27. Which fire extinguisher is used to put off class A type of fire?

- A) Foam type  
C) Dry powdered  
**B) Jet of water**  
D) Carbon-di-oxide (Incorrect)

28. What is the shape of mandatory signs?

- A) Square  
C) Triangular  
**B) Circular (Correct)**  
D) Rectangular

29. What is the shape of warning sign board?

- A) Square shape (Incorrect)  
**C) Triangular shape**  
B) Circular shape  
D) Hexagonal shape

30. Which class of fire is classified involving metals?

- A) Class A  
C) Class C (Incorrect)  
B) Class B  
**D) Class D**

31. What is the use of screw driver?

- A) Hold the screws (Incorrect)  
C) Tighten or loosen bolts  
B) Tighten or loosen screws  
D) Tighten or loosen rivets

32. Which is the maximum size of drill bit used in electrical hand drilling machine?

- A) 0.35 mm  
C) 3.5 mm  
B) 1.5 mm  
**D) 6.5 mm (Correct)**

33. What is the first step to rescue the person in electrical contact?

- A) Break the contact  
C) Switch OFF power supply (Correct)  
B) Call the doctor  
D) Pull the person from electrical contact

34. What is the reason for electric fire?

- A) Deviation  
C) Overloading  
B) Open circuit  
D) Proper earthing (Incorrect)

35. What is the cause of injuring at the time of lifting a load?

- A) Heavy load  
C) Object striking the load  
B) Falling object (Incorrect)  
**D) Wrong lifting technique**

36. Electrical conductivity of gold is

- A) 56%  
C) 94%  
**B) 67%**  
D) 100% (Incorrect)

37. What is the unit of electric charge?

- A) Volts  
C) Ampere  
B) Hertz (Incorrect)  
**D) Coulomb**

38. Which material contains eight electrons in valency layer?

- A) Insulators (Correct)**  
C) Semiconductors  
B) Conductors  
D) Intrinsic semiconductors

39. Which electrical parameter opposes the flow of electrons?

- A) Power  
C) Current  
B) Voltage  
**D) Resistance (Correct)**

40. How the single strand wire is called?  
 A) Flexible wire B) Twisted wire  
**C) Hook up wire (Correct)** D) Multi strand wire
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41. What is the purpose of covering provided over the electrical conductor?  
 A) Increase current flow (Incorrect) B) Reduce current flow  
 C) Decrease voltage rating **D) Protection against weather**
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42. Which material conducts electricity?  
 A) Mica B) Paper  
 C) Glass **D) Copper (Correct)**
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43. How many electrons are contained in coulomb of electric charge?  
 A) 6.25 x 10<sup>8</sup> electrons (Incorrect) B) 6.25 x 10<sup>12</sup> electrons  
 C) 6.25 x 10<sup>16</sup> electrons **D) 6.25 x 10<sup>18</sup> electrons**
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44. What is the percentage of conductivity of electric current in silver?  
 A) 0.56 B) 0.67  
 C) 0.94 **D) 1 (Correct)**
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45. Which metal has very good conductivity to the electric current?  
 A) Gold (Incorrect) B) Copper  
**C) Silver** D) Aluminium
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46. Which materials are used for semiconductor?  
 A) Gallium and indium B) Silver and aluminium  
 C) Arsenic and antimony **D) Silicon and germanium (Correct)**
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47. What is the purpose of standard wire gauge (SWG)?  
 A) Measure current B) Measure voltage (Incorrect)  
**C) Measure diameter of wire** D) Measure insulation of wire
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48. Which tool is used for the simplest method of skinning wires?  
**A) Electrician's knife** B) Manual wire stripper
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- C) Thermal wire stripper D) Mechanical wire stripper (Incorrect)
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49. What is the name of the pair of metal strips used in battery cell?  
 A) Cathode B) Electrolyte  
**C) Electrodes (Correct)** D) Carbon rod
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50. Which electrolyte is used in lead-acid battery?  
 A) Zinc chloride **B) Sulphuric acid (Correct)**  
 C) Alkaline solution D) Potassium hydroxide solution
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51. How batteries are classified?  
 A) Dry cells and alkaline cells B) Button cells and lithium cells  
**C) Primary cells and secondary cells** D) Cylindrical cells and rectangular cells (Incorrect)
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52. What is the unit of electric charge?  
 A) Volts B) Hertz  
 C) Ampere **D) Coulomb (Correct)**
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53. How batteries are classified based on their working?  
 A) Dry cells and alkaline cells B) Button cells and lithium cells  
**C) Primary cells and secondary cells (Correct)** D) Cylindrical cells and rectangular cells
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54. What is the range of current rating of lead acid batteries used in automobiles?  
 A) 5 to 10 Amp B) 10 to 25 Amp (Incorrect)  
 C) 2.5 to 4.5 Amp **D) 100 to 400 Amp**
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55. Which energy is converted by the battery to produce electricity?  
 A) Electrical energy into light energy **B) Chemical energy into electrical energy**  
 C) Mechanical energy into electrical energy D) Electrical energy into mechanical energy (Incorrect)
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56. What is the total voltage of six 1.5 V cells, connected in series?  
 A) 3 VDC B) 6 VDC  
**C) 9 VDC** D) 12 VDC (Incorrect)
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