

**ELECTRICAL  
(Electrician)**

**Theory – Maximum marks (25X2 =50)  
Marks Scored -**

**Duration – 30 minutes**

**NAME:** .....

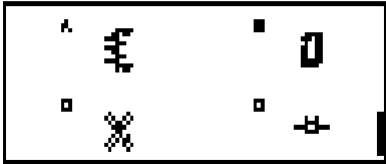
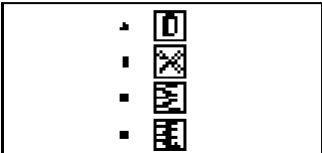

**FATHER'S NAME:** .....

**DATE:** .....

**CENTRE:** .....

**Choose the correct option**

1. Which of the following materials is a good Insulator?
  - A Aluminium
  - B Copper
  - C Procelain
  - D Silver
2. Which of the following materials is a good conductor?
  - A Mica
  - B Copper
  - C Rubber
  - D Procelain
3. Which of the following tapes is best for use on motor terminal connections?
  - A Rubber
  - B Tufflon
  - C Cotton
  - D PVC
4. While measuring the size of the bare conductor with a standard wire gauge the conductor should only be cleaned with.....
  - A sand paper
  - B knife
  - C clean cotton cloth
  - D emery paper
5. Before soldering a lug to a cable, we have to tin.....
  - A neither lug nor conductor
  - B the lug only
  - C conductor only
  - D the lug and the conductor
6. The earth conductor provides a path to ground for....
  - A leakage current
  - B over current
  - C high voltages
  - D circuit current
7. The size of the earth continuity conductor in a circuit should be based upon the.....
  - A voltage of the system
  - B size of the largest service conductor
  - C size of the smallest service conductor
  - D leakage current in the system
8. The fuse operates in the principle of
  - A Magnetic effect
  - B Electrostatic effect
  - C Heating effect
  - D Chemical effect
9. The fuse rating is expressed in terms of.....
  - A voltage
  - B current
  - C kVA
  - D VAR
10. The fuse should be connected to the load in.....
  - A series of neutral cable
  - B parallel of neutral cable
  - C series of live cable
  - D parallel of live cable
11. Fuse wire is made of.....
  - A Tinned copper wire
  - B Galvanized wire
  - C Eureka wire
  - D Stainless steel
12. As compared with reliable fuses, HRC fuses have.....
  - A high rupturing capacity
  - B cheap
  - C greater mechanical strength

- D less accuracy
13. One of the following need not be earthed.....  
 A Ceiling fan  
 B Table fan  
 C Body of automatic electric water heater  
 D Exhaust fan
14. According to NE code, the colour code for the neutral is.....  
 A Red  
 B Blue  
 C Black  
 D Green
15. For a circuit rated for 5 amps, the correct tinned copper fuse wire size will be.....  
 A 35 SWG  
 B 33 SWG  
 C 31 SWG  
 D 29 SWG
16. The moving coil instrument is represented by the symbol.
- 
17. The moving iron instrument for use in AC/DC is represented by the symbol....
- 
18. The method to measure the energy consumed by an electric heater is.....  
 A a watt-meter and a stopwatch  
 B Kwh meter  
 C a voltmeter and an ammeter  
 D an ammeter and a stopwatch
19. One B.O.T. unit is equal to.....  
 A 746 watt-hour
- B 1000 watt-hour  
 C 1500 watt-hour  
 D 1200 watt-hour
20. The unit of electrical energy is measured in....  
 A volt-ampere  
 B kW  
 C kWh  
 D kVA
21. A fuse in a circuit provides protection against....  
 A open circuit  
 B open circuit and short circuit  
 C short circuit and overload  
 D open circuit and overload.
22. When the disc of an energy meter rotates even without connecting any load, is called as ....  
 A reaction error  
 B creeping error  
 C phase angle error  
 D friction error
23. Which one of the following tools should be checked for mushroom head before use?  
 A Poker  
 B Rawl jumper  
 C Gimlet  
 D Screw driver
24. The general symbol for an integrating meter is.....
- 
25. Normally fuse must be provided in a circuit.....  
 A at the end of the circuit  
 B at the beginning of the circuit  
 C at the middle of the circuit  
 D at both the beginning and the end of the circuit

(Signature of the Assessor)

(Signature of the Candidate)



Assessment conducted by – VISTASKILLS Pvt. Ltd., NEW DELHI

<b>Practical -Maximum marks (150)</b> <b>Duration – 2.5 hrs</b>	<b>ELECTRICAL</b> <b>(Electrician)</b>	<b>Marks Scored –</b>
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**CENTRE:** .....

**Attempt each question each carry thirty (30) marks**

Note: (i) Draw circuit diagram wherever necessary

(ii) List out materials/instruments required for every question.

1. To test and prepare terminal leads in 3 core PVC sheathed cable suitable for three pin plug and connect it
2. Prepare a 'Tee' joint in 7/.091 PVC insulated copper cable, solder by using soldering iron and insulate it.
3. Wire up to control a lamp and 3 pin socket outlet by PVC conduit system.
4. Wire up one lamp from two different places by PVC casing and capping system.
5. Wire up to control a lamp and 3 pin socket outlet by PVC conduit system.

**(Signature of the Assessor)**

**(Signature of the Candidate)**

