

Name of VTP/TC:

ABN : 0121-ELE101-B00049269

Name of Candidate:

Place:

Sector:

ELECTRICAL

Module: ELE-101 (Basic Electrical Training)

↶ Duration: 60 minutes

↶ Maximum Marks 50

Batch No:

Father's Name:

Assessment Date: 15.12.2013

Each questions carry 2 marks.

Theory

1. The primary function of the fuse is to.....
A protect the appliance
B open the circuit
C prevent excessive current
D protect the line.
2. When there is an open circuit , the megger indicates.....
A Zero
B Infinity
C between zero and infinity
D centre of the scale.
3. The possible minimum reading which can be taken by 0 - 25mm outside micrometer is.....
A 0.1 mm
B 0.01 mm
C 0.5 mm
D 1.0 mm.
4. A fuse is provided for excess current protection and earth-leakage protection if the earth resistance is low enough.
A Both statements are true.
B Both statements are false.
C Only the first statement is true.
D Only the second statement is true.
5. A delayed-action cartridge fuse is used for.....
A motor circuits
B lighting circuits
C fluorescent lamp circuits
D heating circuits.
6. The total resistance of a 30 ohms resistor and a 60 ohms resistor connected in parallel is.....
A 20 ohms
B 90 ohms
C 45 ohms
D 15 ohms.
7. The earth conductor provides a path to ground for....
A leakage current
B over current
C high voltages
D circuit current.
8. While using a pipe jumper in a building where the wiring exists, care should be taken to check whether.....
A the neutral wire is disconnected
B the main supply is switched 'off' at the time of operation
C concealed wiring runs in the place of operation
D fuse has been removed from the distribution board.
9. If a patient does not respond to mouth to mouth resuscitation treatment, the patient should immediately be taken for
A check for nose block
B check pupils of eyes and pulse
C keeping the body warm with blankets
D getting medical help.
10. A Megger is exclusively designed for measuring
A very high resistance
B very low resistance
C earth electrode resistance
D Soil resistance.
11. 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.
12. 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
13. According to NE code, the colour code for the neutral is.....
A red
B blue
C black
D green.

14. As compared with rewirable fuses, HRC fuses have.....
- A high rupturing capacity
B cheap
C greater mechanical strength
D less accuracy
15. If the meter constant mentioned in the meter is 1500Rev/kwhr, then in one revolution, the energy consumption is.....
- A 50 watt-minutes
B 60 watt-minutes
C 40 watt-minutes
D 100watt-minutes.
16. The holes on the aluminium disc help to
- A prevent creeping
B reduce the resistance
C reduce the friction
D reduce the weight of the disc.
17. The main precaution you have to take before using a megger in a wiring installation?
- A to set for zero range by touching the two leads
B switch `off' the supply mains
C Switch on the supply mains
D remove the earth loads.
18. Equipment earthing is necessary to give protection against.....
- A voltage fluctuation
B overloading
C the danger of electric shocks
D the high temperature of the conductors.
19. The peak-to-peak voltage is 99V. How big is the effective value of the sine wave?
- A 70 V
B 44.5 V
C 49.5 V
D 35V
20. Which one of the following tools should be checked for mushroom head before use?
- A Poker
B Rawl jumper
C Gimlet
D Screw driver
21. Three resistors are in parallel. The total resistance, R_T is....
- A $\frac{1}{R_T} = \frac{1}{R_1} + \frac{1}{R_2} + \frac{1}{R_3}$
B $R_T = R_1 + R_2 + R_3$
C $R_T = \frac{1}{\frac{1}{R_1} + \frac{1}{R_2} + \frac{1}{R_3}}$
D $R_T = \frac{R_1 \times R_2 \times R_3}{R_1 + R_2 + R_3}$
22. 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
23. One of the following, need not be earthed.....
- A Ceiling fan
B Table fan
C Body of automatic electric water heater
D Exhaust fan.
24. An electrical circuit that has infinity resistance is called as circuit.
- A an open
B a short
C a ground
D either B or C
25. A Megger measures resistance in

A Ohms
B hundreds of Ohms

C thousands of Ohms
D mega of Ohms

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All the Best!!!

Name of Candidate:.....

Name of Assessor:.....

Signature of Candidate:.....

Signature of Assessor:.....

Date:

Date: