



Modular Employable Skills (MES)
Electrical
Electrician Domestic (ELE.701)- Theory

Name of the VTP: -	
Name: -	Father's Name: -
Date of Examination: -	Time of Examination: -
Max. Marks – 50, Passing Marks – 20	Time :- 1 Hour
Marks Obtained: -	Signature: -

Choose the correct answer

1. What is the most common electric shock-related injury?

- | | |
|---------------------|-----------------|
| a. High fever | b. Blacking out |
| c. Electrical burns | d. none |

2. Isolators are used to disconnect a circuit when

- | | |
|--------------------------------|-------------------------------------|
| A .line is on full load | B. line is energized |
| C. circuit breaker is not open | D. there is no current in the line. |

3. What is the proper way to unplug your electrical appliances from a power strip?

- A. Simply pull the cord until it comes out.
 B. Put your foot on the power strip to hold it steady while you pull the cord loose.
 C. Use your hand to remove the plug, being careful not to pull on the cord.
 D. None

4. Which device automatically interrupts the supply in the event of surges

- | | |
|---------------------|----------------------|
| (A) Earthing switch | (B) Series reactor |
| (C) Isolator | (D) Circuit breaker. |

5. Which of the following equipment is not installed in a substation ?

- | | |
|--------------------------|------------------------|
| (A) Shunt reactors | (B) Exciters |
| (C) Voltage transformers | (D) Series capacitors. |

6. Current rating is not necessary in case of

- | | |
|-------------------------|---|
| (A) Isolators | (B) Circuit breakers |
| (C) Load break switches | (D) Circuit breakers and load break switches. |

7. Which of the following correctly presents the sequence of operations of isolator circuit breaker and earthing switch while closing a circuit

- (A) Ensure circuit breaker is closed - close isolator - open earthing switch
- (B) Ensure circuit breaker is open - close isolator - open earthing switch if any close circuit breaker
- (C) Ensure circuit breaker is open - open isolator - open earthing switch if any - close circuit breaker.
- (D) None of the above.

8. Which of the following type tests are conducted on isolators

- (A) Temperature rise test
- (B) Impulse stage with stand test
- (C) Short time current test
- (D) All of the above.

9. When two batteries are connected in parallel, it should be ensured that.

- A they have same e.m.f.
- B. they have same make
- C. they have same ampere-hour capacity
- D. they have identical internal resistance

10. Two types of earthings are provided: (a) Equipment earthing and (b) Neutral point earthing. Equipment earthing is provided for

- A. Safety of human being
- B. Safety of equipments
- C Safety of starters and cables
- D None

11. High battery voltage can be obtained by

- A Connecting cells in series
- B connecting cells in parallel
- C. using large size cells
- D increasing quantity of electrolyte

12. What of the following is commonly used for extending the range of an AC ammeter?

- A. a current transformer.
- B. capacitor
- C. a shunt
- D an inductor

13. The capacity of a battery is expressed in terms of

- A current rating
- B voltage rating
- C ampere-hour rating
- D none of the above

14. Ohm: Watt : Volt

- A. Light
- B Electricity
- C Hour
- D. Ampere

15. Pick the odd one out:

- A Aluminum
- B Copper
- C Iron
- D Carbon

16. Resistivity of a wire depends on
 A. length
 B. material
 C. cross section area
 D. none of the above.
17. The element of electric heater is made of
 A. copper
 (B) steel
 C. carbon
 (D) nichrome.
18. Low resistance can be accurately measured by
 (A) Kelvin bridge (B) Wheat stone bridge
 (C) Wein's bridge (D) None of the above.
- 19 A fuse is always installed in a circuit
 A. Series
 B. Parallel.
 C. Both
 D. none
20. Cells are connected in parallel in order to increase
 A. life of the cells
 B efficiency
 C. current capacity
 D. voltage rating
21. HT Voltage range is upto.....Volts
 A. 11000
 B. 11000 to 33000
 C. Above 33000
 D. None
22. All meters used for measuring current, voltage, and resistance are basically
 A. voltmeter
 B. ammeter
 C. multimeter
 D. none of the above
23. In case of Short Circuit, _____ Current will flow in the Circuit.
 A. Zero.
 B. Very Low
 B. Normal.
 D. Infinite
24. In case of oil fire, the fire extinguisher used is
 A. Soda Acid
 B. Foam
 C. Carbon dioxide
 D. Carbon Tetra chloride.
25. An important safety precaution you should take before starting any electrical servicing job is to make sure that your
 A. tools are unbreakable.
 B. fingers are not oily.
 C. body is not grounded.
 D. clothing is not moist.

(Assessor Signature)