

Duration: 60 Mins

Total Marks: 25

ID: ITISKILL9577JD

Student Name: _____	Roll No: _____
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1. Which material is used to avoid oxidation between aluminium conductor and the terminal?

- A) Petrol                      B) Grease  
C) Kerosene                  D) Shellac

2. How electrons flow in a battery circuit?

- A) Phase to neutral          B) Positive to negative polarity  
C) Negative polarity to positive polarity      D) Phase to earth

3. Which type of conductor is used for bus bars?

- A) Stranded conductor        B) Solid conductor  
C) Standard conductor        D) Thermal conductor

4. Which power supply has the fixed polarity?

- A) Direct current              B) Signal ripples  
C) Signal voltage              D) Alternating current

5. Which is the common terminal while Ohm meter reads AB = 10 Ohm, AC = 15 Ohm and BC = 25 Ohm if the motor terminals are A, B and C?

- A) Earth Terminal              B) Terminal A  
C) Terminal C                  D) Terminal B

6. Which law relates to voltage, current and resistance in an electrical circuit?

- A) Newton s law                B) Ohm s law  
C) Faraday s law                D) Lenz s law

7. What is the rotor speed with respect to stator field speed in an induction motor?

- A) Equal to the stator speed    B) More than the fly wheel  
C) More than the stator speed    D) Less than the stator speed

8. Which meter indicates the true power directly in an electrical circuit?

- A) Volt meter                    B) Ohm meter  
C) Watt meter                    D) Ammeter

9. What is the load resistance in an electrical circuit, if current,  $I = 2$  amp and supply,  $V = 10$  volt?

- A) 3 Ohms                        B) 4 Ohms  
C) 5 Ohms                        D) 2 Ohms

10. Which material is used for making disc in energy meter?

- A) Aluminium                  B) Brass  
C) Zinc                            D) Copper

11. What is the maximum capacity of 3 phase squirrel cage induction motor used with direct on line (DOL) starter?

- A) 15 HP                         B) 20 HP  
C) 5 HP                          D) 10 HP

12. Which type of rotor is used in split phase induction motor?

- A) Eccentric                      B) Squirrel cage  
C) Permanent magnet        D) Wound coil

13. What is the total resistance if two resistors R1 and R2 are connected in series?

- A)  $(R1 / R2)$  Ohms              B)  $(R1 - R2)$  Ohms  
C)  $(R1 + R2)$  Ohms              D)  $(R1 \times R2)$  Ohms

14. Which joint is made in either single or multi - strand conductors?

- A) Britannia joint                B) Rat tail joint  
C) Western union joint        D) Scarfed joint

15. What is the supply voltage if a current of 2 ampere flows through 10 Ohm resistor in a circuit?

- A) 65 Volt                        B) 55 Volt  
C) 20 Volt                        D) 45 Volt

16. Which winding has more inductance in refrigerator compressor motor?

- A) Start                          B) Common  
C) Run                            D) Start and common

17. Which tool is used for skinning the insulation of cables

and cleaning the wire surface?

- A) Firmer chisel
- B) Combination pliers
- C) Electrician's knife
- D) Hacksaw

**18.** What is the effect of pouring water on electrodes resistance in earth pit?

- A) Remains same
- B) Increases
- C) Equalises
- D) Decreases

**19.** What is the unit of electric current?

- A) Volt
- B) Ohm
- C) Farad
- D) Ampere

**20.** Which type of 1-? motor has high starting torque?

- A) Permanent capacitor
- B) Induction start and induction run
- C) Capacitor start and capacitor run
- D) Resistance start induction run

**21.** Which winding has low resistance in resistance start induction run motor?

- A) Starting winding
- B) Running winding
- C) Auxiliary winding
- D) Common winding

**22.** What is the unit of electrical energy?

- A) Kilo watt hour
- B) Volt
- C) Watt
- D) Ampere

**23.** What is the unit of capacitance?

- A) Ampere
- B) Coulomb
- C) Farad
- D) Volt

**24.** Which property limits the flow of electrons in an electrical circuit?

- A) Current
- B) Voltage
- C) Resistance
- D) Conductance

**25.** What is the condition of compressor motor if Ohm meter reads infinity across common and start terminals?

- A) Running winding shorted
- B) Starting winding shorted
- C) Running winding open
- D) Starting winding open