

ITI Quiz - 27-Aug-2026

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Q. ID: ITISKILL6358RK

August 2026

Question Paper

Duration: 30 Mins

Total Marks: 25

ID: ITISKILL6358RK

Student Name: _____

Roll No: _____

1. What is the centre of gravity of a rectangular body?

- A) Longer side of rectangle B) Shorter side of rectangle
C) At the corners D) At the point of intersection of its diagonals

2. What is the use of a starting capacitor in single phase induction motor?

- A) Improve power factor B) Dis connect starting winding
C) Increase starting torque D) Decrease starting torque

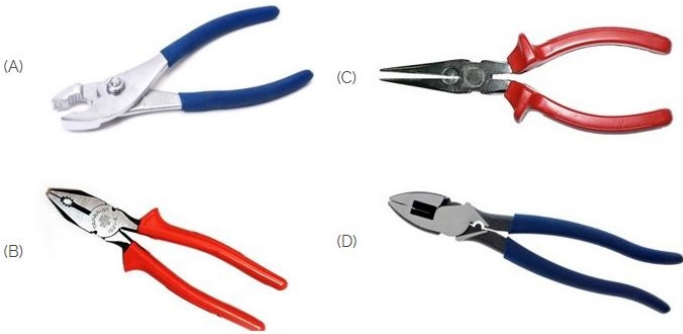
3. Where the centre of gravity of a circle lies?

- A) Any where on its diameter B) Any where on its radius
C) At its centre D) Any where on its circumference

4. Which movement of the scroll compresses the low pressure vapour in scroll compressor?

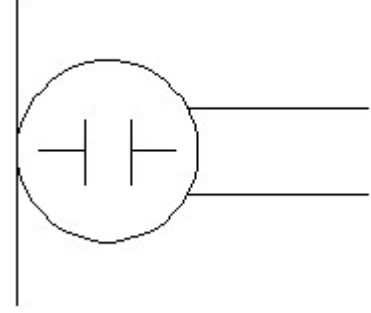
- A) Centrifugal B) Orbital
C) Rotating D) Reciprocating

5. Which is nose pliers? | ನೋಸ್ ಪ್ಲೇಯರ್ ಯಾವುದು?



- A) B B) D
C) C D) A

6. What is the name of the symbol? | ಚಿಹ್ನೆಯ ಹೆಸರೇನು?



- A) Dynamic microphone | ಡೈನಾಮಿಕ್ ಮೈಕ್ರೋಫೋನ್ B) Microphone | ಮೈಕ್ರೋಫೋನ್
C) Condenser microphone | ಕಾಂಡೆನ್ಸರ್ ಮೈಕ್ರೋಫೋನ್ D) Loud speaker | ಲೌಡ್ ಸ್ಪೀಕರ್

7. Which is used to connect the rotor bars in 3phase squirrel cage induction motor?

- A) Screw B) Welded
C) End ring D) Nut and bolt

8. What is the physical condition of refrigerant in hermetic dome of rotary compressor?

- A) LP Liquid B) LP Vapour
C) HP Vapour D) HP Liquid

9. What is the advantage of a hermetically sealed compressor in refrigerator?

- A) Silent operation B) Cost is high
C) Noise is more D) Easily serviceable

10. Which motor has the least starting torque?

- A) CSIR B) RSIR
C) CSR D) PSC

11. How the difference between the synchronous speed and the actual rotor speed is specified?

- A) Trip B) Lead
C) Slip D) Lag

12. What is the revolving part of induction motor?

- A) Winding B) Relay
C) Stator D) Rotor

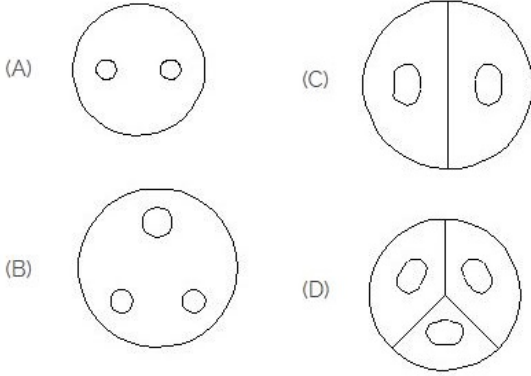
13. Which state of equilibrium's example is A cone resting on its tip?

- A) Horizontal
- B) Stable
- C) Unstable
- D) Neutral

14. What is the centre of gravity of a sphere?

- A) On the circumference
- B) At the radius
- C) At the diameter
- D) At the centre

15. Identify the 3 pin socket. | 3 ಪಿನ್ ಸಾಕೆಟ್ ಅನ್ನು ಗುರುತಿಸಿ.



- A) B
- B) A
- C) D
- D) C

16. Voltage less than 250 volt is called _____. | 250 ವೋಲ್ಟ್‌ಗಿಂತ ಕಡಿಮೆ ವೋಲ್ಟೇಜ್ ಅನ್ನು _____ ಎಂದು ಕರೆಯಲಾಗುತ್ತದೆ.

- A) MT (Medium Tension) | MT (ಮಧ್ಯಮ ಒತ್ತಡ)
- B) LT (Low Tension) | LT (ಕಡಿಮೆ ಒತ್ತಡ)
- C) EHT (Extra High Tension) | EHT (ಹೆಚ್ಚುವರಿ ಅಧಿಕ ಒತ್ತಡ)
- D) HT (High Tension) | HT (ಅಧಿಕ ಒತ್ತಡ)

17. What is the effect of moist air present inside the hermetic system?

- A) Increase the life of compressor
- B) Harmful to the compressor and motor
- C) Less wear and tear in compressor
- D) Capacity of compressor will increase

18. Which winding is made of thin wire in single phase motor?

- A) Running
- B) Main
- C) Series
- D) Starting

19. Which winding is made of thick wire in single phase induction motor?

- A) Running
- B) Starting
- C) Additional
- D) Auxiliary

20. Identify the switch in the given picture. | ನೀಡಿರುವ ಚಿತ್ರದಲ್ಲಿ ಸ್ವಿಚ್ ಅನ್ನು ಗುರುತಿಸಿ.



- A) Toggle Switch | ಟಾಗಲ್ ಸ್ವಿಚ್
- B) Flux type switch | ಫ್ಲಕ್ಸ್ ಪ್ರಕಾರದ ಸ್ವಿಚ್
- C) Intermediate Switch | ಮಧ್ಯಂತರ ಸ್ವಿಚ್
- D) Tumbler Switch | ಟಂಬ್ಲರ್ ಸ್ವಿಚ್

21. Why the top of dome is hot in a scroll compressor?

- A) Suction gas not cooled
- B) Undercharged system
- C) Discharge plenum is at top
- D) Suction super heat is less

22. What is the use of suction baffle in a scroll compressor?

- A) Allow liquid to enter into compressor
- B) Increase noise of compressor
- C) Reduce capacity of compressor
- D) Reduce noise of compressor

23. What is the name of the point at which all the weight of the body concentrated?

- A) Centre of gravity
- B) Initial point
- C) Central point
- D) Centroid

24. What is the formula to find out the synchronous speed of induction motor?

- A) $N_s = (120f/P)$
- B) $N_s = (150P/f)$
- C) $N_s = (150f/P)$
- D) $N_s = (120P/f)$

25. Which type of compressor is used for domestic refrigerator?

- A) Hermetic compressor
- B) Semi sealed compressor
- C) Centrifugal compressor
- D) Open type compressor