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Score: 21/25 (84.00%)

Code: 2531

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

- A) Main
B) Series
C) **Starting (Correct)**
D) Running

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

- A) LP Liquid
B) HP Liquid
C) **HP Vapour (Correct)**
D) LP Vapour

3. Which motor has the least starting torque?

- A) CSIR
B) CSR
C) **RSIR (Correct)**
D) PSC

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

- A) Starting
B) **Running (Correct)**
C) Auxiliary
D) Additional

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

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

6. What is the revolving part of induction motor?

- A) Stator
B) **Rotor (Correct)**
C) Relay
D) Winding

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

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

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

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

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

A) **Silent operation (Correct)**

C) Noise is more

B) Easily serviceable

D) Cost is high

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

- A) Reciprocating
B) Centrifugal
C) Rotating
D) **Orbital (Correct)**

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

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

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

- A) Lead
B) Lag
C) **Slip (Correct)**
D) Trip

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

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

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

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

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

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

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

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

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

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

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

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

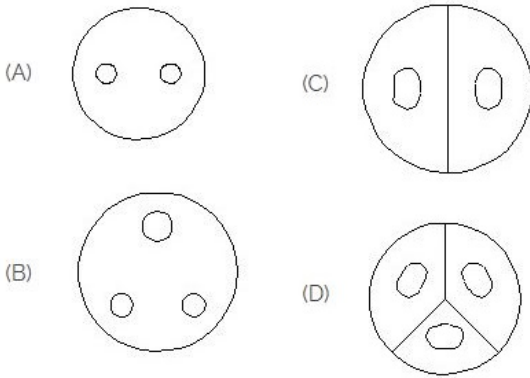
19. What is the centre of gravity of a sphere?

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

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

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

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

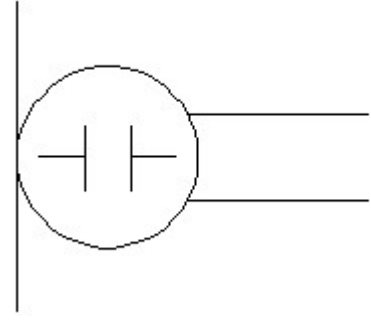


- A) A **B) B (Correct)**
C) C D) D

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

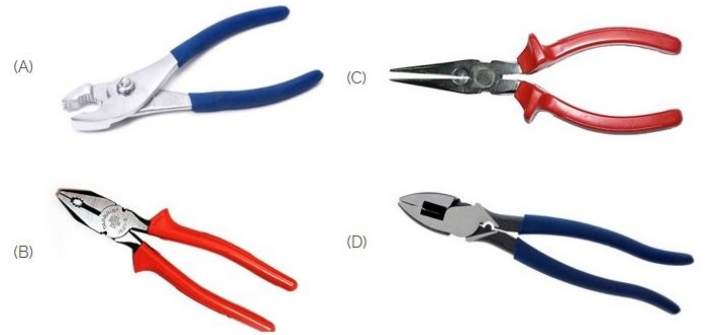
- A) LT (Low Tension) | LT (ಕಡಿಮೆ ಒತ್ತಡ) (Correct)** B) HT (High Tension) | HT (ಅಧಿಕ ಒತ್ತಡ)
C) MT (Medium Tension) | MT (ಮಧ್ಯಮ ಒತ್ತಡ) D) EHT (Extra High Tension) | EHT (ಹೆಚ್ಚುವರಿ ಅಧಿಕ ಒತ್ತಡ)

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



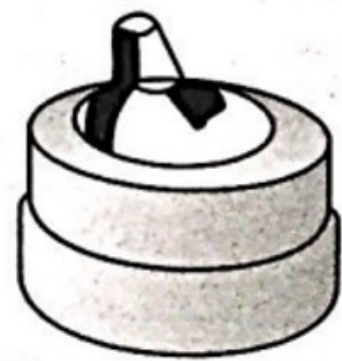
- A) Microphone | ಮೈಕ್ರೋಫೋನ್ B) Dynamic microphone | ಡೈನಾಮಿಕ್ ಮೈಕ್ರೋಫೋನ್ (Incorrect)
C) Condenser microphone | ಕಂಡೆನ್ಸರ್ ಮೈಕ್ರೋಫೋನ್ D) Loud speaker | ಲೌಡ್ ಸ್ಪೀಕರ್

24. Which is nose pliers? | ನೋಸ್ ಪ್ಲಿಯರ್ ಯಾವುದು?



- A) A **C) C (Correct)**
B) B D) D

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



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