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Score: 19/25 (76.00%)

Code: 4642

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

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** D) At the corners (Incorrect)

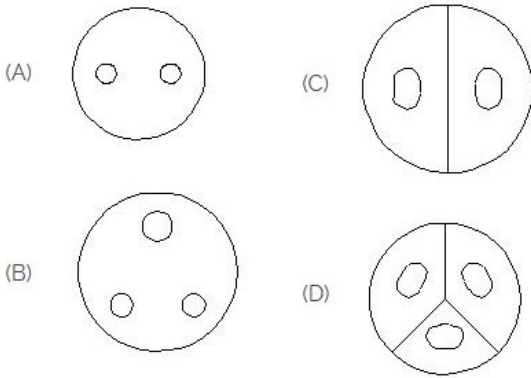
19. What is the centre of gravity of a sphere?

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

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

- A) Stable B) Neutral  
**C) Unstable (Correct)** D) Horizontal

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

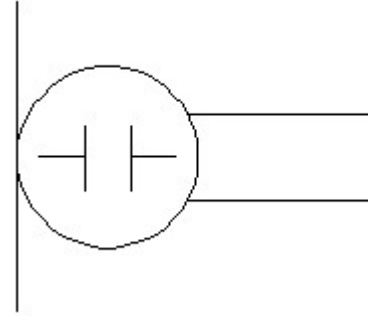


- A) A **B) B (Correct)**  
C) C D) D

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

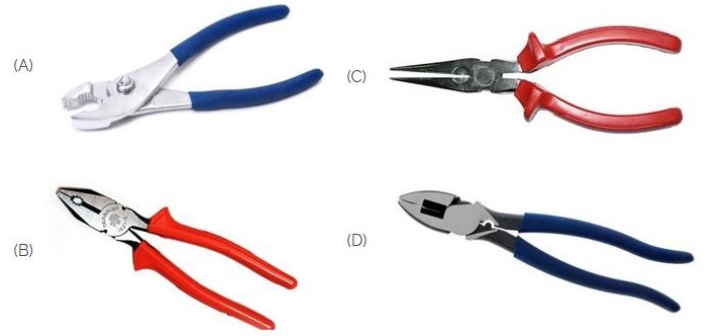
- A) LT (Low Tension) | LT (ಕಡಿಮೆ ಒತ್ತಡ)** B) HT (High Tension) | HT (ಅಧಿಕ ಒತ್ತಡ)  
C) MT (Medium Tension) | MT (ಮಧ್ಯಮ ಒತ್ತಡ) (Incorrect) D) EHT (Extra High Tension) | EHT (ಹೆಚ್ಚುವರಿ ಅಧಿಕ ಒತ್ತಡ)

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



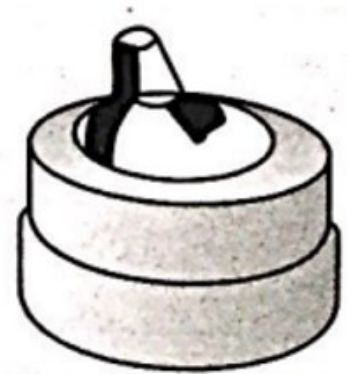
- A) Microphone | ಮೈಕ್ರೋಫೋನ್ B) Dynamic microphone | ಡೈನಾಮಿಕ್ ಮೈಕ್ರೋಫೋನ್  
**C) Condenser microphone | ಕಂಡೆನ್ಸರ್ ಮೈಕ್ರೋಫೋನ್ (Correct)** D) Loud speaker | ಲೌಡ್ ಸ್ಪೀಕರ್

24. Which is nose pliers? | ನೋಸ್ ಪ್ಲೈಯರ್ 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 B) Toggle Switch | ಟಾಗಲ್ ಸ್ವಿಚ್ (Incorrect)  
**C) Tumbler Switch | ಟಂಬ್ಲರ್ ಸ್ವಿಚ್ (Correct)** D) Flux type switch | ಫ್ಲಕ್ಸ್ ಪ್ರಕಾರದ ಸ್ವಿಚ್