RACT 25-27

AUGUST MANTHLY TEST

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Duration: 30 Mins | **Total Marks: 25** | **ID: ITISKILL5674GH**

Student Name: _____ Roll No: _____

1. What is the use of capacitor in PSC operated induction motor?

A) Improve the power factor
B) Decrease the power factor
C) Cancel the starting torque
D) Decrease the starting torque

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

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

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

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

4. Which motor has the least starting torque?

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

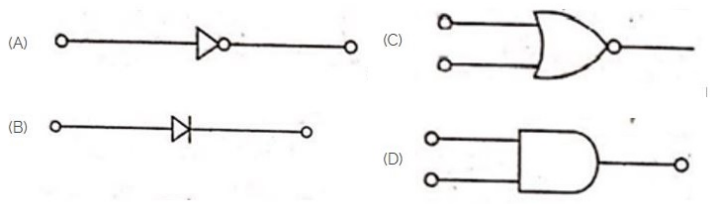
5. Which instrument is used to identify the terminals of a compressor motor?

A) Anemometer
B) Ammeter
C) Ohm meter
D) Voltmeter

6. Which part connects the piston with small end of connecting rod in a reciprocating compressor?

A) Piston bolt
B) Piston sleeve
C) Piston rings
D) Piston pin

7. Which is the NOT gate in the following picture? | ಕೆಳಗಿನ ಚಿತ್ರದಲ್ಲಿ NOT ಗೇಟ್ ಯಾವುದು?



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

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

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

9. 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

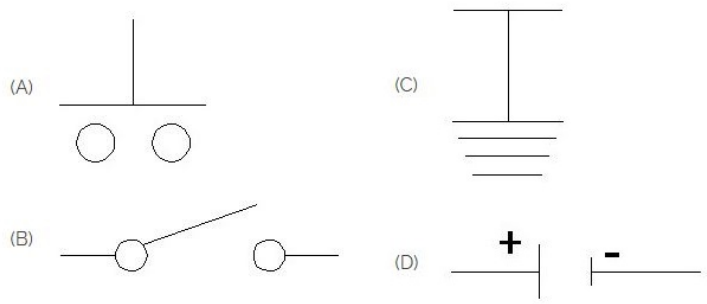
10. What is the centre of gravity of a rectangular body?

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

11. Which gas is used for pressure testing the compressor dome?

A) Refrigerant
B) Nitrogen
C) Oxygen
D) Air

12. Which is the symbol of earth? | ಭೂಮಿಯ ಸಂಕೇತ ಯಾವುದು?



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

13. How to change the direction of rotation in 3 Phase induction motor?

A) Change the winding only
B) Change neutral
C) Change any two phase
D) Change all phase

14. Which valve is closed during compression stroke in reciprocating compressor?

A) Discharge valve
B) Suction valve
C) Service valve
D) Liquid line valve

15. 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

16. Which one of the following geometrical shape's centre of gravity lies from its base is 1/3 of its height?

A) Square
B) Triangle
C) Rhombus
D) Cone

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

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

18. Identify the given symbol | ನೀಡಿರುವ ಚಿಹ್ನೆಯನ್ನು ಗುರುತಿಸಿ

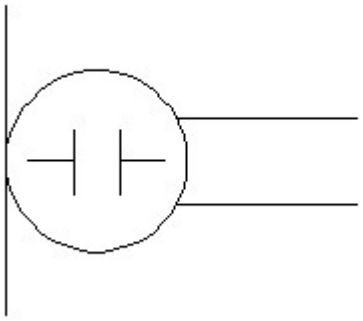


A) DC
B) Inductance | ಇಂಡಕ್ಟನ್ಸ್
C) AC
D) Ohms | ಓಮ್ಸ್

19. What is the reason for poor compression?

A) Less clearance volume
B) Lapped valve plate and reed seat
C) Scratches on the piston surface
D) Good lubrication on the moving parts

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



A) Dynamic microphone | ಡೈನಾಮಿಕ್ ಮೈಕ್ರೊಫೋನ್
B) Loud speaker | ಲೌಡ್ ಸ್ಪೀಕರ್
C) Microphone | ಮೈಕ್ರೊಫೋನ್
D) Condenser microphone | ಕಂಡೆನ್ಸರ್ ಮೈಕ್ರೊಫೋನ್

21. Which affects the centre of gravity of the object

A) Mass
B) Density
C) Weight
D) Shape

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

A) Ns=(120f/P)
B) Ns=(120P/f)
C) Ns=(150f/P)
D) Ns=(150P/f)

23. Which is ball peen hammer? | ಬಾಲ್ ಪೀನ್ ಸುತ್ತಿಗೆ ಯಾವುದು?

(A)

(C)

(B)

(D)


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

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

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

25. Which motor has the least starting torque?

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