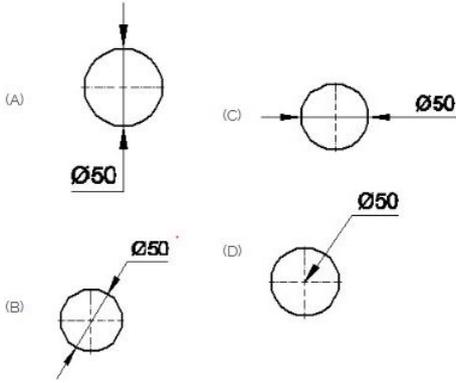


Student Name: _____

Roll No: _____

1. Which dimension correctly marked in the circle as per standard? | ಮಾನದಂಡದ ಪ್ರಕಾರ ವೃತ್ತದಲ್ಲಿ ಯಾವ ಆಯಾಮವನ್ನು ಸರಿಯಾಗಿ ಗುರುತಿಸಲಾಗಿದೆ?



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

2. What is the barometer reading at sea level in Hg column?

- A) 730 mm
C) 760 mm
B) 740 mm
D) 750 mm

3. What is the specific gravity of the metal, if the weighs 6.5 kgf in air and 3.5 kgf in water?

- A) 3.166
C) 2.166
B) 6.166
D) 1.166

4. What is the atmospheric pressure at sea level?

- A) 1.6 Kg/cm²
C) 1.5 Kg/cm²
B) 1.033 kg/cm²
D) 1.3 Kg/cm²

5. What is called mass per unit volume of a substances?

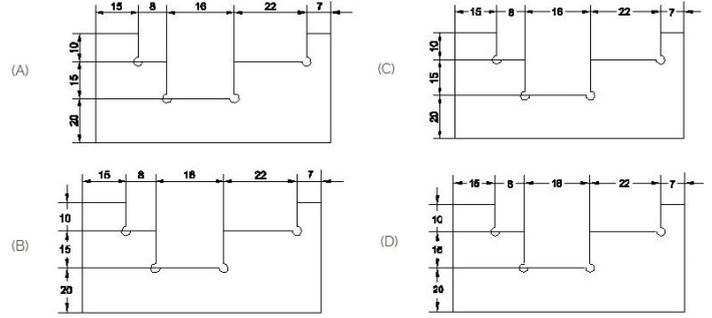
- A) Density
C) Volume
B) Weight
D) Mass

6. Which component controls the thermostat and defrost heater in frost free refrigerator?

- A) OLP
C) Thermoheater
B) Defrost timer
D) Relay

7. Identify the correct aligned system dimension? | ಸರಿಯಾದ

ಜೋಡಿಸಲಾದ ಸಿಸ್ಟಮ್ ಆಯಾಮವನ್ನು ಗುರುತಿಸುವುದೇ?



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

8. What is the capacity of doing work?

- A) Work
C) Power
B) Force
D) Energy

9. What is the absolute zero temperature in degree centigrade?

- A) 100 Degree Centigrade
C) -273 Degree Centigrade
B) 212 Degree Centigrade
D) 0 Degree Centigrade

10. What is the boiling point of pure water in centigrade scale?

- A) 212 Degree Centigrade
C) 0 Degree Centigrade
B) 32 Degree Centigrade
D) 100 Degree Centigrade

11. Which instrument is used for measuring heat?

- A) Thermometer
C) Anemometer
B) Calorimeter
D) Ammeter

12. Which instrument is used to measure atmospheric pressure?

- A) Manometer
C) Hydrometer
B) Hygrometer
D) Barometer

13. What is the force with which a body is attracted by the earth towards its centre?

- A) Mass
C) Volume
B) Weight
D) Density

14. What is the density of aluminium?

- A) 4.7 g/cm³ B) 5.7 g/cm³
C) 2.7 g/cm³ D) 3.7 g/cm³

15. Which components are connected by metering device in vapour compression cycle?

- A) Compressor and condenser B) Evaporator and suction line
C) Compressor and evaporator D) Condenser and evaporator

16. Which method is used to connect the swaged joint in copper tubes?

- A) Fusion welding B) Lead soldering
C) Silver brazing D) TIG welding

17. What is the physical state of ammonia at condenser inlet in vapour absorption system?

- A) Semi solid B) Solid
C) Vapour D) Liquid

18. Which law is related to the constant PV at constant T?

- A) Charles s law B) Pascal s law
C) Boyles law D) Renaults law

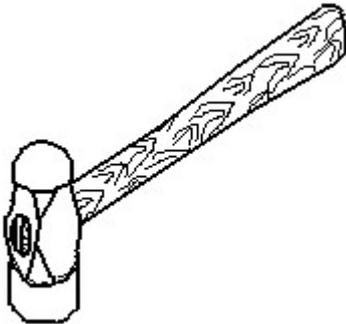
19. Which two components do the compressor function in vapour absorption system?

- A) Generator and separator B) Generator and absorber
C) Generator and condenser D) Generator and evaporator

20. What is the absolute pressure of gas in a cylinder, if gauge reads 135.3 p.s.i?

- A) 160 p.s.i.a B) 140 p.s.i.a
C) 130 p.s.i.a D) 150 p.s.i.a

21. Identify the name of tool? | ಉಪಕರಣದ ಹೆಸರನ್ನು ಗುರುತಿಸುವುದೇ?



- A) Ball peen hammer | ಬಾಲ್ ಪೆನ್ ಸುತ್ತಿಗೆ B) Sledge hammer | ಸ್ಲೆಡ್ಜ್ ಸುತ್ತಿಗೆ
C) Cross peen hammer | ಕ್ರಾಸ್ ಪೆನ್ ಸುತ್ತಿಗೆ D) Straight peen hammer | ನೇರ ಪೆನ್ ಸುತ್ತಿಗೆ

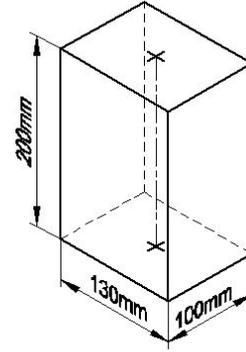
22. What is the purpose of accumulator in a refrigerator?

- A) Prevents surging of refrigerant B) Prevents liquid flood back to compressor
C) Avoids hunting of refrigerant D) Improves oil circulation

23. What is the block weighs (W) in kg, if volume (V) is 320 cm³ and density 8.9 g/cm³?

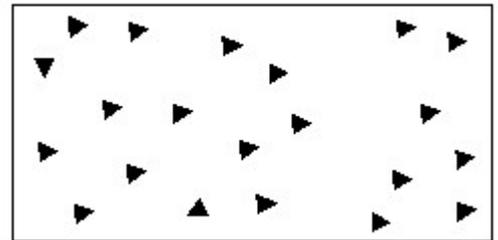
- A) 2.648 kg B) 2.448
C) 2.848 kg D) 2.948 kg

24. Identify the name of prism? | ಪ್ರಿಸ್ಮ್ ಹೆಸರನ್ನು ಗುರುತಿಸುವುದೇ?



- A) Triangular prism | ತ್ರಿಕೋನ ಪ್ರಿಸ್ಮ್ B) Rectangle prism | ಆಯತ ಪ್ರಿಸ್ಮ್
C) Square prism | ಚದರ ಪ್ರಿಸ್ಮ್ D) Hexagonal prism | ಷಡ್ಭುಜೀಯ ಪ್ರಿಸ್ಮ್

25. Identify the conventional symbol of material? | ವಸ್ತುವಿನ ಕನ್ವೆಷನಲ್ ಚಿಹ್ನೆಯನ್ನು ಗುರುತಿಸಿ?



- A) Concrete | ಕಾಂಕ್ರೀಟ್ B) Steel | ಸ್ಟೀಲ್
C) Glass | ಗಾಜು D) Wood | ಮರ