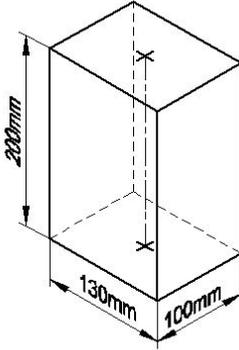


Student Name: _____

Roll No: _____

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



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

2. 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

3. What is the density of aluminium?

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

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

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

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

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

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

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

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

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

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

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

9. Which instrument is used for measuring heat?

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

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

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

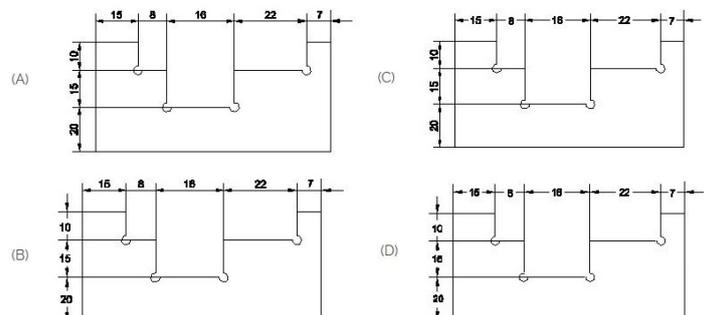
11. What is the block weighs (W) in kg, if volume (V) is 320 cm³ and density 8.9 g/cm³?

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

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

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

13. Identify the correct aligned system dimension? | ಸರಿಯಾದ ಜೋಡಿಸಲಾದ ಸಿಸ್ಟಮ್ ಆಯಾಮವನ್ನು ಗುರುತಿಸುವುದೇ?



- A) D
C) B

- B) C
D) A

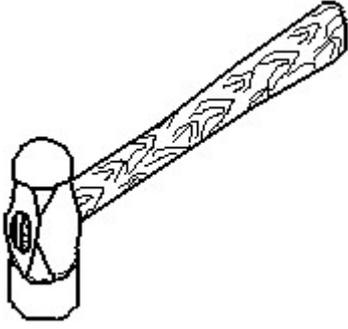
- A) D
C) C

- B) B
D) A

14. Which instrument is used to measure atmospheric pressure?

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

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



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

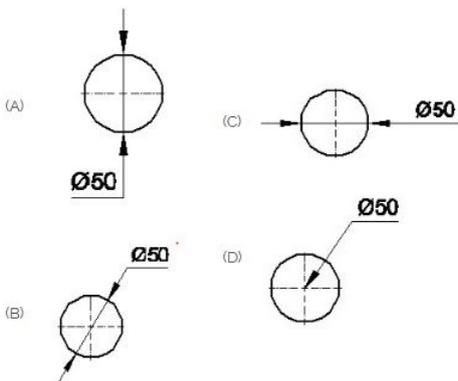
16. Which method is used to connect the swaged joint in copper tubes?

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

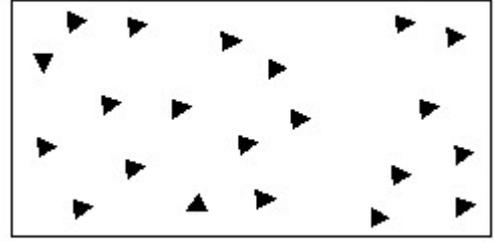
17. What is the force with which a body is attracted by the earth towards its centre?

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

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



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



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

20. What is the capacity of doing work?

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

21. What is the atmospheric pressure at sea level?

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

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

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

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

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

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

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

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

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