

Student Name: _____

Roll No: _____

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

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

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

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

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

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

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

3. Which instrument is used to measure atmospheric pressure?

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

4. What is the capacity of doing work?

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

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

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

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

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

7. Which instrument is used for measuring heat?

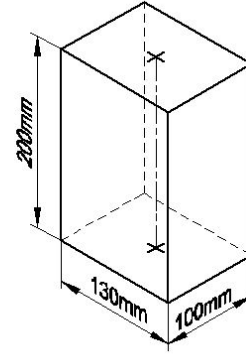
- A) Thermometer
B) Calorimeter
C) Ammeter
D) Anemometer

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

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

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

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



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

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

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

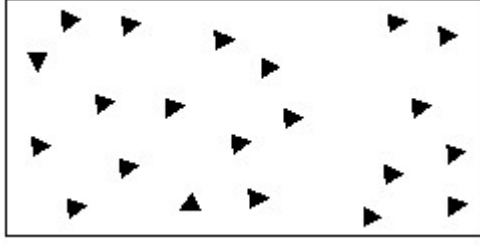
13. What is the barometer reading at sea level in Hg column?

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

14. What is the atmospheric pressure at sea level?

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

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

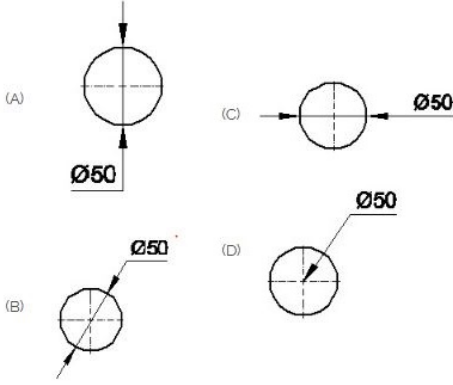


- A) Wood | ಮರ
B) Concrete | ಕಾಂಕ್ರೀಟ್
C) Glass | ಗಾಜು
D) Steel | ಸ್ಟೀಲ್

16. What is the density of aluminium?

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

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



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

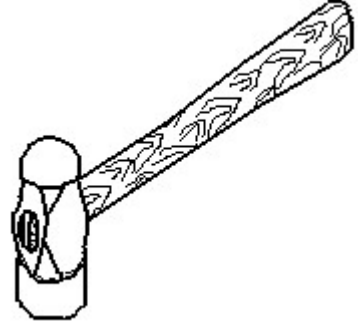
18. What is the purpose of accumulator in a refrigerator?

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

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

- A) Charles's law
B) Pascal's law
C) Renault's law
D) Boyle's law

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

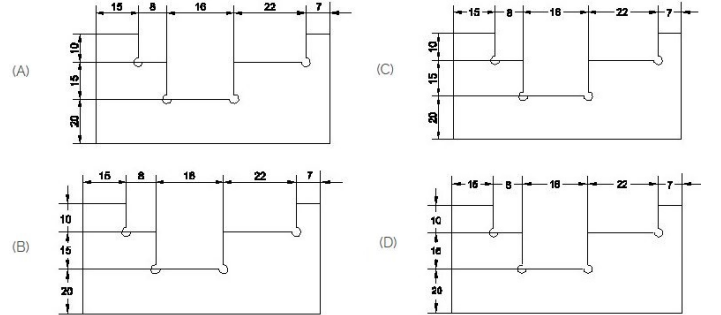


- A) Cross pein hammer | ಕ್ರಾಸ್ ಪೀನ್ ಸುತ್ತಿಗೆ
B) Ball pein hammer | ಬಾಲ್ ಪೀನ್ ಸುತ್ತಿಗೆ
C) Sledge hammer | ಸ್ಲೆಡ್ಜ್ ಸುತ್ತಿಗೆ
D) Straight pein hammer | ನೇರ ಪೀನ್ ಸುತ್ತಿಗೆ

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

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

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



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

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

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

24. What is called mass per unit volume of a substance?

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

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

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