

Duration: 30 Mins

Total Marks: 25

Q.ID: ITISKILL3768AY

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

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

Answer: A) 2.166

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

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

Answer: B) Prevents liquid flood back to compressor

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

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

Answer: A) -273 Degree Centigrade

4. 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) 140 p.s.i.a
C) 160 p.s.i.a D) 130 p.s.i.a

Answer: A) 150 p.s.i.a

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

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

Answer: A) 2.848 kg

6. Which instrument is used to measure atmospheric pressure?

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

Answer: B) Barometer

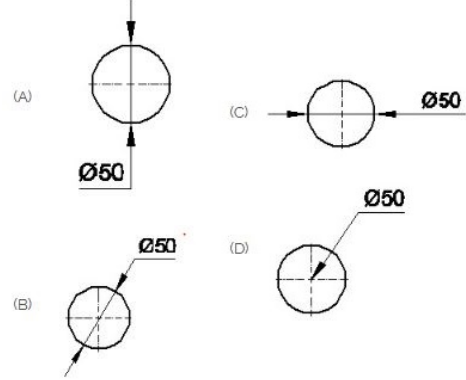
7. What is the boiling point of pure water in centigrade scale?

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

Answer: A) 100 Degree Centigrade

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

ಸರಿಯಾಗಿ ಗುರುತಿಸಲಾಗಿದೆ?



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

Answer: A) B

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

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

Answer: D) Defrost timer

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

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

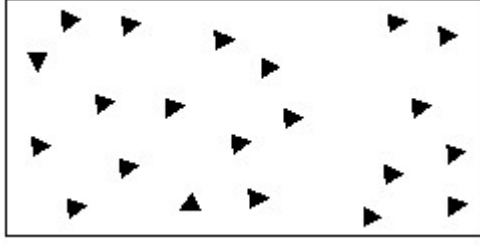
Answer: C) Weight

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

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

Answer: D) Condenser and evaporator

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



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

Answer: B) Concrete | ಕಾಂಕ್ರೀಟ್

13. What is the density of aluminium?

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

Answer: C) 2.7 g/cm³

14. Which instrument is used for measuring heat?

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

Answer: A) Calorimeter

15. 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

Answer: B) 1.033 kg/cm²

16. What is the capacity of doing work?

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

Answer: B) Energy

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

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

Answer: D) Silver brazing

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

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

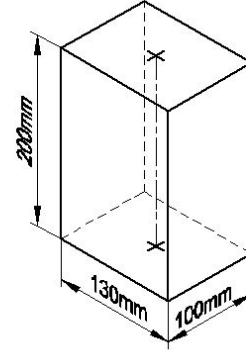
Answer: B) 760 mm

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

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

Answer: D) Vapour

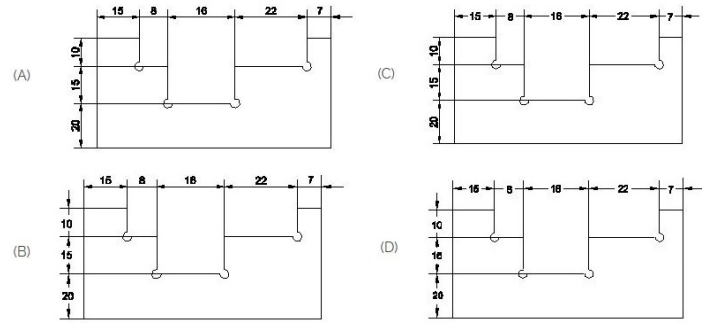
20. Identify the name of prism? | ತ್ರಿಸ್ತಂಭ ಹೆಸರನ್ನು ಗುರುತಿಸುವುದೇ?



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

Answer: B) Rectangle prism | ಆಯತ ತ್ರಿಸ್ತಂಭ

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



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

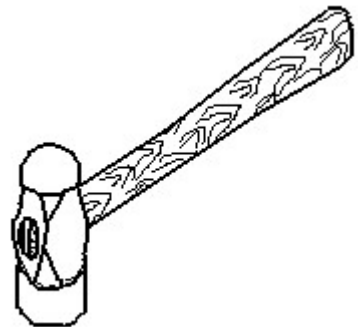
Answer: B) A

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

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

Answer: C) Boyles law

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



A) Cross pein hammer | ಕ್ರಾಸ್ ಪೀನ್ ಸುತ್ತಿಗೆ B) Ball pein hammer | ಬಾಲ್ ಪೆನ್ ಸುತ್ತಿಗೆ

C) Sledge hammer | ಸ್ಲೆಡ್ಜ್ ಸುತ್ತಿಗೆ D) Straight pein hammer | ನೇರ ಪೆನ್ ಸುತ್ತಿಗೆ

Answer: B) Ball pein hammer | ಬಾಲ್ ಪೆನ್ ಸುತ್ತಿಗೆ

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

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

Answer: C) Generator and absorber

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

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

Answer: D) Density