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Score: 20/25 (80.00%)

Code: 4260

1. What is the atmospheric pressure at sea level?

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

2. Which instrument is used to measure atmospheric pressure?

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

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

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

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

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

5. What is the capacity of doing work?

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

6. Which instrument is used for measuring heat?

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

18. What is the density of aluminium?

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

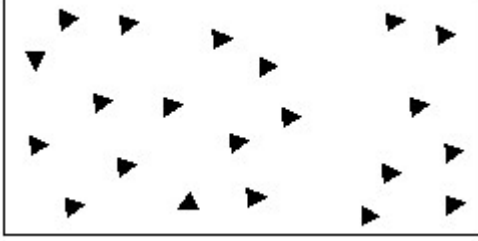
19. What is the block weighs (W) in kg, if volume (V) is 320 cm³ and density 8.9 g/cm³?

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

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

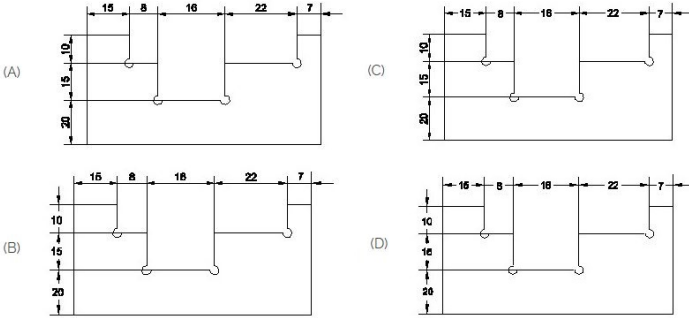
- A) 6.166 B) 3.166
C) 2.166 (Correct) D) 1.166

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



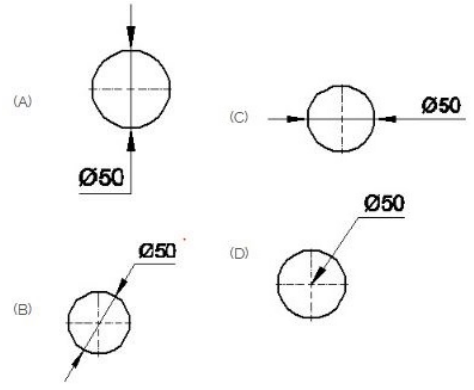
- A) Steel | ಸ್ಟೀಲ್ (Incorrect) B) Wood | ಮರ
C) Glass | ಗಾಜು D) Concrete | ಕಾಂಕ್ರೀಟ್

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



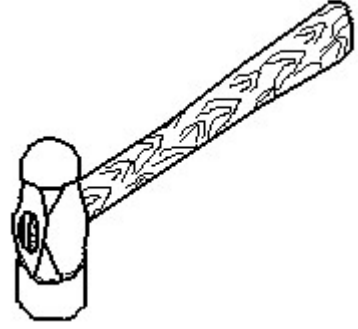
- A) A (Correct) B) B
C) C D) D

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



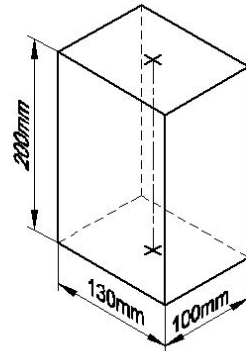
- A) A (Incorrect) B) B
C) C D) D

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



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

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



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