

GOVT ITI UDUPI MARCH MONTHLY TEST 2026 RACT 25-27

Q. ID: ITISKILL3213KH

March 2026

Govt iti udupi

Answer Key

Duration: 30 Mins

Total Marks: 35

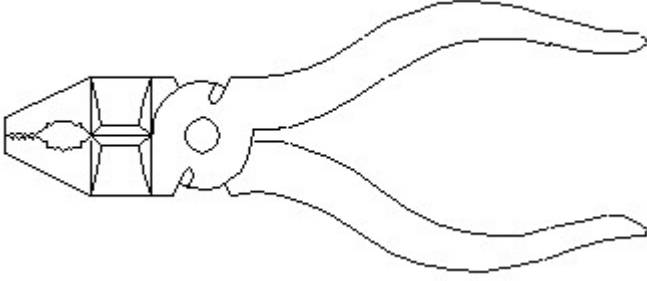
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1. What is called the ratio between the density of a substance density of water at 4 Degree Centigrade?

- A) Density
B) Specific gravity
C) Weight
D) Mass

Answer: B) Specific gravity

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



- A) Aviation shear | ಏವಿಯೇಷನ್ ಷಿಯರ್
B) Cutting plier | ಕಟಿಂಗ್ ಪ್ಲಿಯರ್
C) Hawk-billed shear | ಹಾಕ್-ಬಿಲ್ಡ್ ಷಿಯರ್
D) Double cutting shear | ಡಬಲ್ ಕಟಿಂಗ್ ಷಿಯರ್

Answer: B) Cutting plier | ಕಟಿಂಗ್ ಪ್ಲಿಯರ್

3. What is the weight force of a car has a mass of 800 kg?(Take $g = 9.81\text{m/sec}$)

- A) 7848 Newton
B) 7487 Newton
C) 7748 Newton
D) 7847 Newton

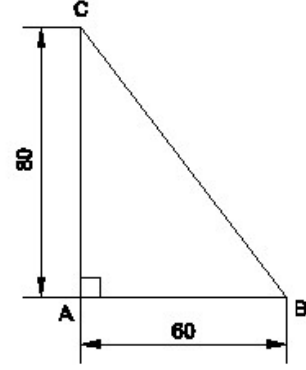
Answer: A) 7848 Newton

4. Which refrigerant is inactive to ozone layer?

- A) R 13
B) R 12
C) R 134a
D) R 22

Answer: C) R 134a

5. Identify the name of the triangle? | ತ್ರಿಕೋನದ ಹೆಸರನ್ನು ಗುರುತಿಸುವುದೇ?



- A) Equilateral triangle | ಸಮಕೋನ ತ್ರಿಕೋನ
B) Right angle triangle | ಬಲ ಕೋನ ತ್ರಿಕೋನ
C) Isosceles triangle | ಸಮದ್ವಿಬಾಹು ತ್ರಿಕೋನ
D) Scalene triangle | ಸ್ಕೇಲಿನ್ ತ್ರಿಕೋನ

Answer: B) Right angle triangle | ಬಲ ಕೋನ ತ್ರಿಕೋನ

6. What is the cylinder colour code of R 22 refrigerant?

- A) White
B) Orchid
C) Orange
D) Green

Answer: D) Green

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

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

Answer: C) Weight

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

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

Answer: B) 2.166

9. Why HCFC 22 refrigerant is recycled?

- A) Make use of the same lubricant
B) Increase the efficiency of RAC systems
C) Decrease the cost of production
D) Reduce ODP and GWP of environment

Answer: D) Reduce ODP and GWP of environment

10. How much is the maximum capacity of refrigerant to be filled in a returnable service cylinder?

- A) Up to 95% B) Up to 85%
C) Up to 90% D) Up to 80%

Answer: D) Up to 80%

11. What is the advantage of universal colour coding of refrigerant cylinders?

- A) Make good appearance B) Easy to identify
C) Provide extra strength to cylinder D) Prevent corrosion on cylinder

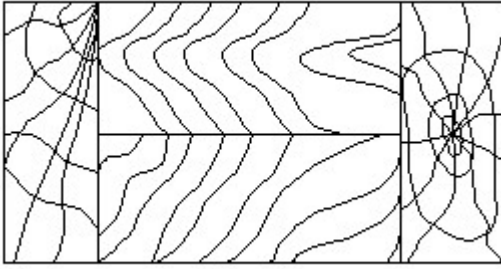
Answer: B) Easy to identify

12. How numerical designations of inorganic refrigerants are assigned?

- A) Divide 700 to molecular mass of compound B) Multiply 700 to molecular mass of compound
C) Subtracting 700 from molecular mass of compound D) Adding 700 to molecular mass of compound

Answer: D) Adding 700 to molecular mass of compound

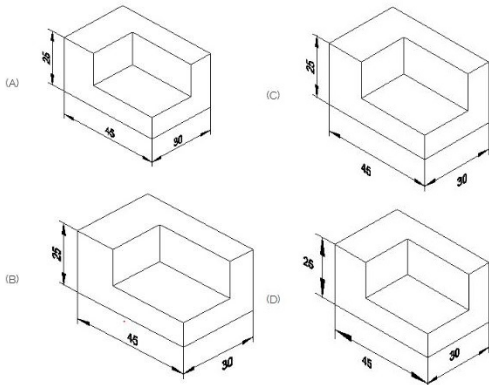
13. Identify the conventional symbol of material? | ವಸ್ತುವಿನ ಕನ್ವೆಷನಲ್ ಚಿಹ್ನೆಯನ್ನು ಗುರುತಿಸಿ?



- A) Lead | ಲೀಡ್ B) Wood | ಮರ
C) Glass | ಗಾಜು D) Paper | ಪೇಪರ್

Answer: B) Wood | ಮರ

14. Which drawing dimension is correct as per standard drawing practice? | ಸ್ಟಾಂಡರ್ಡ್ ಡ್ರಾಯಿಂಗ್ ಅಭ್ಯಾಸದ ಪ್ರಕಾರ ಯಾವ ಡ್ರಾಯಿಂಗ್ ಆಯಾಮ ಸರಿಯಾಗಿದೆ?



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

Answer: A) A

15. Which is the green house gas?

- A) Chlorofluoro carbon in air B) Helium of atmospheric air
C) Oxygen of atmospheric air D) Neon of atmospheric air

Answer: A) Chlorofluoro carbon in air

16. What is the volume of mercury in cm³, if the mass (m) of mercury is 136 grams (g) and density (r) of mercury is 13.6 g/cm³?

- A) 10.6 cm³ B) 136 cm³
C) 13.6 cm³ D) 10.0 cm³

Answer: D) 10.0 cm³

17. What is the mass in gram, if a force of 15 dyres acting on a mass m producing an acceleration of 2.5 cm/sec²?

- A) 8 grams B) 9 grams
C) 6 grams D) 7 grams

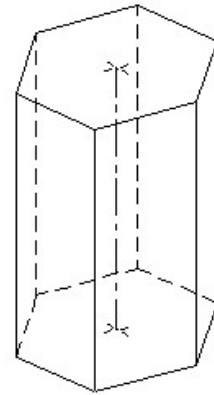
Answer: C) 6 grams

18. Which property is desirable for an ideal refrigerant?

- A) High boiling point B) High specific volume
C) High latent heat value D) High freezing point

Answer: C) High latent heat value

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



- A) Pentagonal prism | ಪೆಂಟಾಗೋನಲ್ ಪ್ರಿಸ್ಮ್ B) Square prism | ಚದರ ಪ್ರಿಸ್ಮ್
C) Hexagonal prism | ಷಡ್ಭುಜೀಯ ಪ್ರಿಸ್ಮ್ D) Triangular prism | ತ್ರಿಕೋನ ಪ್ರಿಸ್ಮ್

Answer: C) Hexagonal prism | ಷಡ್ಭುಜೀಯ ಪ್ರಿಸ್ಮ್

20. How to prevent the small pieces of glass wool affecting the eyes?

- A) Wearing gloves B) Using shoes
C) Wearing goggles D) Using mask

Answer: C) Wearing goggles

21. What is the density (r) in g/cm³ of an iron cube, if it weighs (W) 4.8 kg and volume (V) is 640 cm³?

- A) 7.2 g/cm³ B) 7.5 g/cm³
C) 6.9 g/cm³ D) 6.6 g/cm³

Answer: B) 7.5 g/cm³

22. What is termed as the quantity of matter contained in a body?

- A) Density
B) Volume
C) Specific gravity
D) Mass

Answer: D) Mass

23. What is the specific gravity of the solid, if density of the solid is 19.5 g/cm³?

- A) 18.5
B) 19
C) 19.5
D) 8

Answer: C) 19.5

24. Why universal numbering system is adopted for different refrigerants?

- A) Identifying the refrigerant's names
B) Fixing the drier combination
C) Identify the systems
D) Mixing the lubricant combination

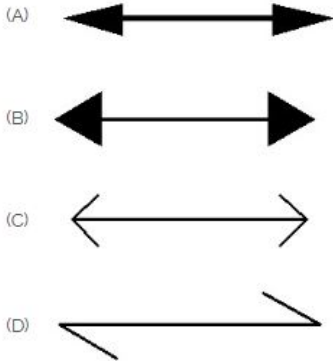
Answer: A) Identifying the refrigerant's names

25. 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) 2.448
C) 2.648 kg
D) 2.848 kg

Answer: D) 2.848 kg

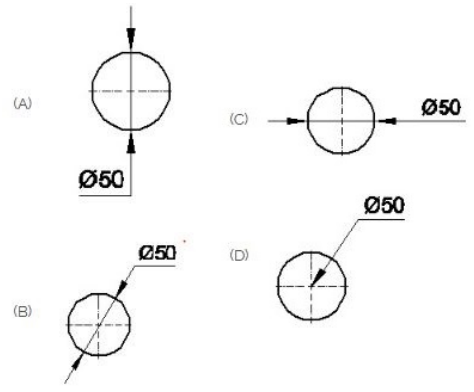
26. Which arrow head is correct as per standard? | ಮಾನದಂಡದ ಪ್ರಕಾರ ಯಾವ ಬಾಣದ ಹೆಡ್ ಸರಿಯಾಗಿದೆ?



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

Answer: B) A

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



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

Answer: D) B

28. What is the name of process that changes the used refrigerant to new product?

- A) Manufacture
B) Reclaim
C) Recycle
D) Recover

Answer: B) Reclaim

29. Which gas is universally taken as the basic reference for GWP?

- A) SO₂
B) AIR
C) CO₂
D) NH₃

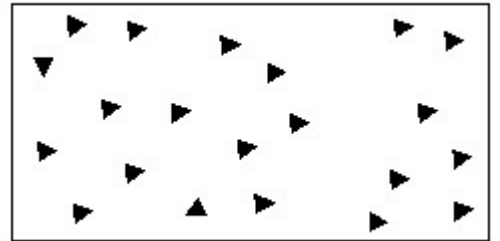
Answer: C) CO₂

30. Which type of insulating material is used for making ice box to cool beverages?

- A) Glass wool
B) Fibre glass
C) Thermocole
D) Tar felt

Answer: C) Thermocole

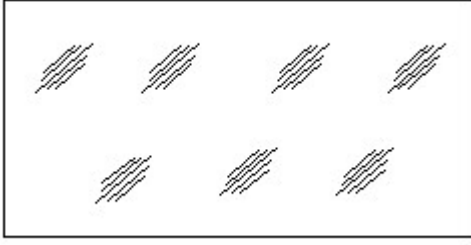
31. Identify the conventional symbol of material? | ವಸ್ತುವಿನ ಕನ್ವೆಷನಲ್ ಚಿಹ್ನೆಯನ್ನು ಗುರುತಿಸಿ?



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

Answer: B) Concrete | ಕಾಂಕ್ರೀಟ್

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



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

Answer: B) Glass | ಗಾಜು

33. How to safe guard the hands while handling glass wool?

- A) Wearing goggles B) Using shoes
C) Wearing gloves D) Using mask

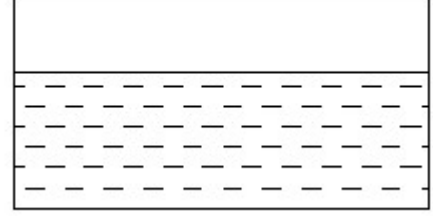
Answer: C) Wearing gloves

34. Which position is safe for storing refrigerant cylinder?

- A) Horizontal B) Inclined
C) Upright D) Upside down

Answer: C) Upright

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



- A) Water | ನೀರು B) Concrete | ಕಾಂಕ್ರೀಟ್
C) Glass | ಗಾಜು D) Asbestos | ಅಸ್ಟೆಸಿಯೋಸ್

Answer: A) Water | ನೀರು