

GOVT ITI UDUPI

MARCH TEST RACT

25-27

Q. ID: ITISKILL9200LL

March 2026

Govt iti udupi

Answer Key

Duration: 30 Mins

Total Marks: 25

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1. Which is the green house gas?

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

Answer: D) Chlorofluoro carbon in air

2. Which international agency standardises the numbering system for identifying refrigerants?

- A) DW142 B) ISO
C) ASHRAE D) ISHRAE

Answer: C) ASHRAE

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

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

Answer: C) Easy to identify

4. Which property is desirable for an ideal refrigerant?

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

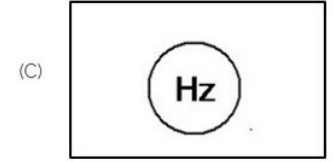
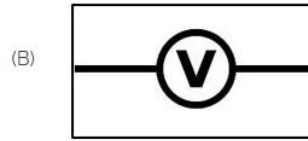
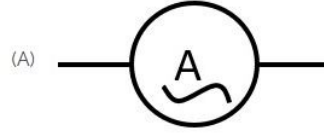
Answer: A) High latent heat value

5. Which is the numerical designation of ammonia refrigerant?

- A) $700 + (\text{Molecular mass of NH}_3) = 719$ B) $700 + (\text{Molecular mass of NH}_3) = 717$
C) $700 + (\text{Molecular mass of NH}_3) = 720$ D) $700 + (\text{Molecular mass of NH}_3) = 718$

Answer: B) $700 + (\text{Molecular mass of NH}_3) = 717$

6. Which of the following is AC ammeter? | ಈ ಕೆಳಗಿನವುಗಳಲ್ಲಿ ಯಾವುದು AC ಅಮ್ಮೀಟರ್ ಆಗಿದೆ?



A) C

C) D

B) A

D) B

Answer: B) A

7. 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

8. Where does the ozone layer exist in atmosphere?

- A) Stratosphere B) Ionosphere
C) Exosphere D) Mesosphere

Answer: A) Stratosphere

9. Which substance absorbs heat and directly changes its state from solid to vapour?

- A) Secondary refrigerants B) Ice
C) Dry ice D) Primary refrigerants

Answer: C) Dry ice

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

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

Answer: A) Up to 80%

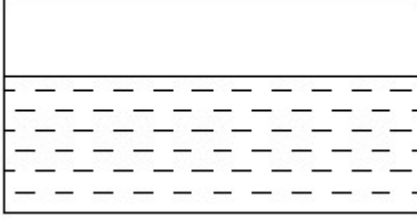
11. What is the effect of releasing HCFC refrigerants to atmosphere?

- A) Decreases TEWI B) Increases ODP and GWP

C) Decreases GWP and ODP D) Inactive to TEWI

Answer: B) Increases ODP and GWP

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



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

Answer: A) Water | ನೀರು

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

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

Answer: C) Specific gravity

14. 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) 13.6 cm³ B) 10.0 cm³
C) 10.6 cm³ D) 136 cm³

Answer: B) 10.0 cm³

15. Which of the following is used to block the pipe at one end? | ಒಂದು ತುದಿಯಲ್ಲಿ ಪೈಪ್ ಅನ್ನು ನಿರ್ಬಂಧಿಸಲು ಕೆಳಗಿನವುಗಳಲ್ಲಿ ಯಾವುದನ್ನು ಬಳಸಲಾಗುತ್ತದೆ?

- A) Union | ಯೂನಿಯನ್ B) Couplings | ಕಪ್ಲಿಂಗ್ಸ್
C) Plug | ಪ್ಲಗ್ D) Reducer | ರೆಡ್ಯೂಸರ್

Answer: C) Plug | ಪ್ಲಗ್

16. What is the specific gravity of the metal, if the piece of metal weighs 150 grams in air and 125 grams in water?

- A) 25 B) 6
C) 15 D) 10

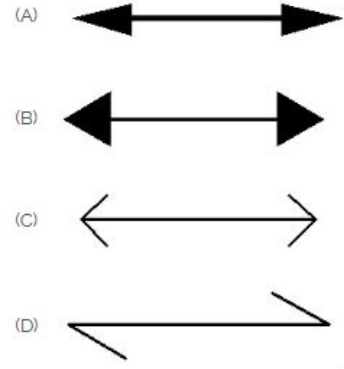
Answer: B) 6

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

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

Answer: A) Density

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



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

Answer: B) A

19. What does the number 4 of R 134a indicate?

- A) Number of hydrogen atoms B) Number of chlorine atoms
C) Number of carbon atoms D) Number of fluorine atoms

Answer: D) Number of fluorine atoms

20. What is the ozone depleting potential of R 134a Refrigerant?

- A) 0 B) 1
C) 2 D) 3

Answer: A) 0

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

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

Answer: A) Thermocole

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

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

Answer: D) Wearing gloves

23. 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) 2.648 kg
C) 2.948 kg D) 2.448

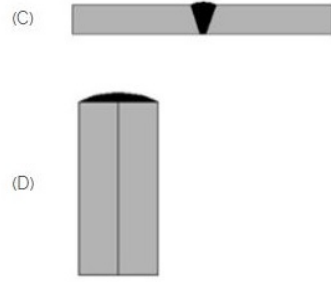
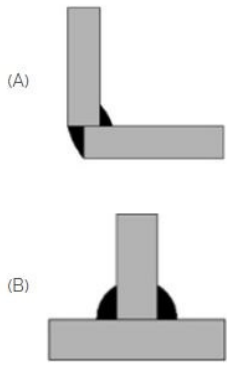
Answer: A) 2.848 kg

24. What type of heat is absorbed by primary refrigerant?

- A) Specific heat B) Sensible heat
C) Latent heat D) Total heat

Answer: C) Latent heat

25. Which symbol is used for butt joints? | ಬಟ್ ಕೀಲುಗಳಿಗೆ ಯಾವ ಚಿಹ್ನೆಯನ್ನು ಬಳಸಲಾಗುತ್ತದೆ?



A) A

B) B

C) C

D) D

Answer: C) C
