

GOVT ITI UDUPI

MARCH TEST RACT

25-27

Q. ID: ITISKILL9200LL

March 2026

Govt iti udupi

Question Paper

Duration: 30 Mins

Total Marks: 25

ID: ITISKILL9200LL

Student Name: _____ Roll No: _____

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

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

2. Which is the green house gas?

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

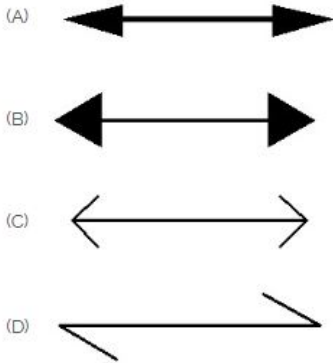
3. Which is the numerical designation of ammonia refrigerant?

- A) 700 + (Molecular mass of NH₃) = 718 B) 700 + (Molecular mass of NH₃) = 720
C) 700 + (Molecular mass of NH₃) = 719 D) 700 + (Molecular mass of NH₃) = 717

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

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

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



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

6. 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) Reducer | ರೆಡ್ಯೂಸರ್
C) Couplings | ಕಪ್ಲಿಂಗ್ಸ್ D) Plug | ಪ್ಲಗ್

7. 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) 10.0 cm³ B) 136 cm³
C) 10.6 cm³ D) 13.6 cm³

8. 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

9. Where does the ozone layer exist in atmosphere?

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

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

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

11. Which property is desirable for an ideal refrigerant?

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

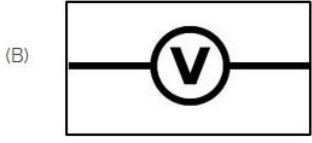
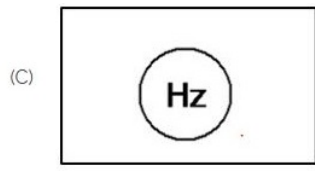
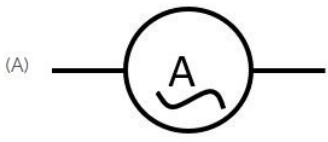
12. What is the block weighs (W) in kg, if volume (V) is 320 cm³ and density 8.9 g/cm³?

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

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

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

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

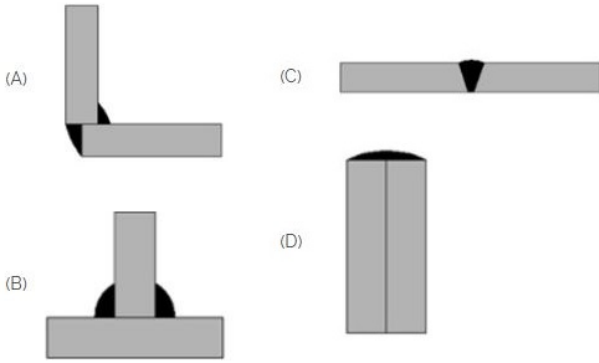


- A) B
C) C
- B) D
D) A

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

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

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



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

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

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

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

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

19. How numerical designations of inorganic refrigerants are

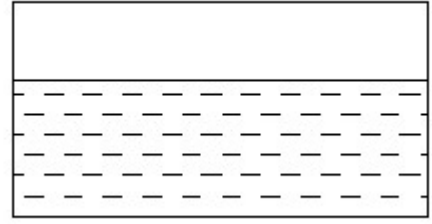
assigned?

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

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

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

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



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

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

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

23. 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
C) 6
- B) 10
D) 15

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

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

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

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