

Duration: 20 Mins

Total Marks: 25

Q.ID: ITISKILL7795CX

1. Which is the green house gas?

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

Answer: C) Chlorofluoro carbon in air

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

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

Answer: C) Green

3. How many hydrogen atoms are present in R 134a?

- A) Three B) Two
C) Four D) One

Answer: B) Two

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

- A) SO_2 B) CO_2
C) AIR D) NH_3

Answer: B) CO_2

5. Which refrigerant is inactive to ozone layer?

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

Answer: C) R 134a

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

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

Answer: B) ASHRAE

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

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

Answer: C) Easy to identify

8. How the refrigerants are classified based on heat absorption by latent and sensible heat?

- A) Organic and inorganic B) Zeotropic and azeotropic

- C) Primary and secondary D) Halocarbons and hydrocarbons

Answer: C) Primary and secondary

9. What is the desirable property of POE lubricant?

- A) Toxic gas produced during brazing B) Hygroscopic
C) Miscible with HFCs D) Forms acid with moisture

Answer: C) Miscible with HFCs

10. What is the category of R 290 refrigerant?

- A) Azeotropes B) Organic compounds
C) Halocarbons D) Hydrocarbons

Answer: D) Hydrocarbons

11. Which position is safe for storing refrigerant cylinder?

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

Answer: B) Upright

12. Which is the effective method for refrigerant recovery?

- A) Use of system's compressor B) Charge migration
C) Condensing unit D) Push pull recovery

Answer: D) Push pull recovery

13. Which is the inorganic refrigerant?

- A) R 717 B) R 630
C) R 500 D) R 170

Answer: A) R 717

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

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

Answer: C) Number of fluorine atoms

15. Which property is desirable for an ideal refrigerant?

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

Answer: D) High latent heat value

16. What is the category of R 407c refrigerant?

- A) Zeotropes B) Inorganic
C) Azeotropes D) Organic

Answer: A) Zeotropes

17. How numerical designations of inorganic refrigerants are assigned?

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

Answer: B) Adding 700 to molecular mass of compound

18. Which insulating material is poured as liquid?

- A) Glass Wool B) Poly Urethane Foam (PUF)
C) Cork Board D) Wood Shave

Answer: B) Poly Urethane Foam (PUF)

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

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

Answer: B) Dry ice

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

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

Answer: C) Latent heat

21. Which refrigerant is used in vapour compression cycle?

- A) Brine solution B) Water
C) Secondary refrigerant D) Primary refrigerant

Answer: D) Primary refrigerant

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

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

Answer: A) Wearing goggles

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

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

Answer: A) Up to 80%

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

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

Answer: A) 0

25. Where does the ozone layer exist in atmosphere?

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

Answer: B) Stratosphere