

# Theory test - 25-May-2026

04:00 PM

Q. ID: ITISKILL7795CX

Theory monthly test for the month of April 2026

April 2026

GOVT ITI PERDOOR

Question Paper

Student: Vignesh

Score: 20/25 (80.00%)

Code: 2787

1. Which property is desirable for an ideal refrigerant?

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

2. What is the category of R 290 refrigerant?

- A) Halocarbons      B) Azeotropes  
**C) Hydrocarbons (Correct)**      D) Organic compounds

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

- A) Total heat      **B) Latent heat (Correct)**  
C) Specific heat      D) Sensible heat

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

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

5. What is the desirable property of POE lubricant?

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

6. Which insulating material is poured as liquid?

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

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

- A) ASHRAE**      B) ISHRAE  
C) DW142 (Incorrect)      D) ISO

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

- C) 2      B) 1  
D) 3 (Incorrect)

9. Which is the green house gas?

- A) Oxygen of atmospheric air      **B) Chlorofluoro carbon in air (Correct)**

C) Helium of atmospheric air      D) Neon of atmospheric air

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

- A) SO<sub>2</sub>      **B) CO<sub>2</sub> (Correct)**  
C) NH<sub>3</sub>      D) AIR

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

- A) Azeotropes      **B) Zeotropes (Correct)**  
C) Inorganic      D) Organic

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

- A) White      **B) Green (Correct)**  
C) Orchid      D) Orange

13. Where does the ozone layer exist in atmosphere?

- A) Mesosphere      **B) Stratosphere (Correct)**  
C) Ionosphere      D) Exosphere

14. Which is the inorganic refrigerant?

- A) R 170      B) R 500  
C) R 630      **D) R 717 (Correct)**

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

- A) Primary and secondary**      B) Organic and inorganic  
C) Zeotropic and azeotropic (Incorrect)      D) Halocarbons and hydrocarbons

16. Which refrigerant is inactive to ozone layer?

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

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

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

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

- A) Ice
- C) Primary refrigerants

- B) Dry ice (Correct)**
- D) Secondary refrigerants

19. Which is the effective method for refrigerant recovery?

- A) Condensing unit
- C) Push pull recovery (Correct)**

- B) Charge migration
- D) Use of system's compressor

20. How numerical designations of inorganic refrigerants are assigned?

- A) Divide 700 to molecular mass of compound
- C) Adding 700 to molecular mass of compound (Correct)**

- B) Multiply 700 to molecular mass of compound
- D) Subtracting 700 from molecular mass of compound

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

- A) One
- C) Four

- B) Two (Correct)**
- D) Three

22. Which refrigerant is used in vapour compression cycle?

- A) Secondary refrigerant
- C) Brine solution

- B) Primary refrigerant (Correct)**
- D) Water

23. Which position is safe for storing refrigerant cylinder?

- A) Upside down
- C) Inclined

- B) Horizontal
- D) Upright (Correct)**

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

- A) Wearing goggles (Correct)**
- C) Using mask

- B) Wearing gloves
- D) Using shoes

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

- A) Easy to identify (Correct)**
- C) Prevent corrosion on cylinder

- B) Make good appearance
- D) Provide extra strength to cylinder