

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: Preetham naik

Score: 23/25 (92.00%)

Code: 3267

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%
D) Up to 80% (Correct)
C) Up to 85%

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
D) Poly Urethane Foam (PUF) (Correct)
C) Wood Shave

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 (Incorrect)
D) 3

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) SO₂ **B) CO₂ (Correct)**
C) NH₃ 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
D) R 717 (Correct)
C) R 630

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

- A) Primary and secondary (Correct)** B) Organic and inorganic
C) Zeotropic and azeotropic 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 **D) Number of fluorine atoms (Correct)**

18. Which substance absorbs heat and directly changes its

state from solid to vapour?

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

19. Which is the effective method for refrigerant recovery?

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

20. 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) Adding 700 to molecular mass of compound (Correct)**
- D) Subtracting 700 from molecular mass of compound

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

- A) One
- B) Two (Correct)**
- C) Four
- D) Three

22. Which refrigerant is used in vapour compression cycle?

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

23. Which position is safe for storing refrigerant cylinder?

- A) Upside down
- B) Horizontal
- C) Inclined
- D) Upright (Correct)**

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

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

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

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