

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: Nagarjun

Score: 18/25 (72.00%)

Code: 8014

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 (Incorrect) **B) Latent heat**
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
C) Wood Shave **D) Poly Urethane Foam (PUF) (Correct)**

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

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

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

- B) 1
C) 2 (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**
C) Inorganic D) Organic (Incorrect)

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 (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 (Incorrect) **B) Dry ice**
C) Primary refrigerants D) Secondary refrigerants
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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
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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
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21. How many hydrogen atoms are present in R 134a?

- A) One (Incorrect) **B) Two**
C) Four D) Three
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22. Which refrigerant is used in vapour compression cycle?

- A) Secondary refrigerant **B) Primary refrigerant (Correct)**
C) Brine solution D) Water
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23. Which position is safe for storing refrigerant cylinder?

- A) Upside down B) Horizontal
C) Inclined **D) Upright (Correct)**
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24. How to prevent the small pieces of glass wool affecting the eyes?

- A) Wearing goggles** B) Wearing gloves
C) Using mask (Incorrect) D) Using shoes
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25. What is the advantage of universal colour coding of refrigerant cylinders?

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