

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: Shravanth
Score: 19/25 (76.00%)

Code: 5033

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
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?

- 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 (Incorrect)

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**
C) Ionosphere D) Exosphere (Incorrect)

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
C) Primary refrigerants

B) Dry ice
D) Secondary refrigerants
(Incorrect)

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
B) Multiply 700 to molecular mass of compound
(Incorrect)
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 (Incorrect)
C) Inclined
B) Horizontal
D) Upright

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