

GOVT ITI PERDOOR

Theory test - 25-May-2026 04:00 PM

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Student Name	Vishnu prasad	Access Code	1042
Attempt No.	#1	Completion Time	10:16 AM
Rank	#5	Total Questions	25

24 SCORE

25 MAX MARKS

24 CORRECT

1 INCORRECT

Answer Review

Q1 **CORRECT** Which property is desirable for an ideal refrigerant?

A. High boiling point

B. High freezing point

C. High specific volume

D. High latent heat value

Q2 **CORRECT** What is the category of R 290 refrigerant?

A. Halocarbons

B. Azeotropes

C. Hydrocarbons

D. Organic compounds

Q3 **CORRECT** What type of heat is absorbed by primary refrigerant?

A. Total heat

B. Latent heat

C. Specific heat

D. Sensible heat

Q4 **CORRECT** 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%

Q5 **CORRECT** What is the desirable property of POE lubricant?

A. Hygroscopic

B. Miscible with HFCs

C. Forms acid with moisture

D. Toxic gas produced during brazing

Q6 **CORRECT** Which insulating material is poured as liquid?

A. Glass Wool

B. Cork Board

C. Wood Shave

D. Poly Urethane Foam (PUF)

Q7 **CORRECT** Which international agency standardises the numbering system for identifying refrigerants?

A. ASHRAE

B. ISHRAE

C. DW142

D. ISO

Q8 **INCORRECT** What is the ozone depleting potential of R 134a Refrigerant?

B. 1

C. 2

D. 3

Q9 **CORRECT** Which is the green house gas?

A. Oxygen of atmospheric air

B. Chlorofluoro carbon in air

C. Helium of atmospheric air

D. Neon of atmospheric air

Q10 **CORRECT** Which gas is universally taken as the basic reference for GWP?

A. SO₂

B. CO₂

C. NH₃

D. AIR

Q11 **CORRECT** What is the category of R 407c refrigerant?

A. Azeotropes

B. Zeotropes

C. Inorganic

D. Organic

Q12 **CORRECT** What is the cylinder colour code of R 22 refrigerant?

A. White

B. Green

C. Orchid

D. Orange

Q13 **CORRECT** Where does the ozone layer exist in atmosphere?

A. Mesosphere

B. Stratosphere

C. Ionosphere

D. Exosphere

Q14 **CORRECT** Which is the inorganic refrigerant?

A. R 170

B. R 500

C. R 630

D. R 717

Q15 **CORRECT** 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

D. Halocarbons and hydrocarbons

Q16 **CORRECT** Which refrigerant is inactive to ozone layer?

A. R 12

B. R 13

C. R 22

D. R 134a

Q17 **CORRECT** 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

Q18 **CORRECT** Which substance absorbs heat and directly changes its state from solid to vapour?

A. Ice

B. Dry ice

C. Primary refrigerants

D. Secondary refrigerants

Q19 **CORRECT** Which is the effective method for refrigerant recovery?

A. Condensing unit

B. Charge migration

C. Push pull recovery

D. Use of system's compressor

Q20 **CORRECT** 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

D. Subtracting 700 from molecular mass of compound

Q21 **CORRECT** How many hydrogen atoms are present in R 134a?

A. One

B. Two

C. Four

D. Three

Q22 **CORRECT** Which refrigerant is used in vapour compression cycle?

A. Secondary refrigerant

B. Primary refrigerant

C. Brine solution

D. Water

Q23 **CORRECT** Which position is safe for storing refrigerant cylinder?

A. Upside down

B. Horizontal

C. Inclined

D. Upright

Q24 **CORRECT** How to prevent the small pieces of glass wool affecting the eyes?

A. Wearing goggles

B. Wearing gloves

C. Using mask

D. Using shoes

Q25 **CORRECT** What is the advantage of universal colour coding of refrigerant cylinders?

A. Easy to identify

B. Make good appearance

C. Prevent corrosion on cylinder

D. Provide extra strength to cylinder