

[illegible]

- a. What do you mean by term air conditioning?
- b. What is function of a capillary tube?
- c. List two properties of ideal refrigerant.
- d. What are eco-friendly refrigerants?
- e. List various methods of refrigerant leak detection.
- f. What do you mean by wet bulb temperature?
- g. Is moist air a pure substance, explain your answer?
- h. What is saturated air?
- i. What is purging of air in an air-conditioning system?
- j. What is global warming potential?

### SECTION-B

2. Explain the working of basic car air conditioning system.
3. Troubleshoot the following causes :
  - a. Unit runs but poor refrigeration.
  - b. Low suction pressure in a refrigeration system.
4. What are different types of automotive heater? Explain automatically controlled air- conditioning heating system.
5. Classify various types of refrigerants.
6. Explain the various basic psychrometric properties of moist air.

### SECTION-C

7. Explain different types of air distribution system with help of neat sketch.
8. Explain various methods of refrigerant leak detection.
9. Explain the various properties of ideal refrigerant.

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