

Refrigeration and Air-Conditioning

(English version)

Time : 2 Hours]

[Maximum Marks : 40

PART - A

4×5=20

Note : (1) Answer **ANY FOUR** of the following questions.

(2) Each question carries **FIVE** marks.

1. What are the basic components (parts) of automobile air conditioning ?
2. Write about the working of water cooler.
3. Write the parts of capacitor start and induction motor.
4. What is meant by current relay ?
5. Write about humidification and dehumidification.
6. What is the importance of the condenser in a split A.C. ?
7. Write the components and their functions of a Central Air Conditioner.

PART - B

10×2=20

Note : (1) Answer **ANY TEN** of the following questions.

(2) Each question carries **TWO** marks.

1. How do two pipes are joined in a cooling process ?
2. What is the function of an evaporator ?

3. Write the main reasons for the following problem.
Compressor does not start.
 4. What is Fuse ? Write any two types of fuses that are generally used.
 5. Write the uses of thermostat.
 6. What are the main components (parts) of a sealed unit ?
 7. Write any four uses of cooling process.
 8. What is Sensible heat ?
 9. What is meant by Defrosting ?
 10. What are the four main parts of domestic cooling process ?
 11. What is Compressor ?
 12. What is Charles law ?
 13. Write any four tools to repair an air conditioner.
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