This question paper contains 2 printed pages.

53E

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.
