CBSE Class 12 Air-Conditioning and Refrigeration 2004 - Set 113

Question Paper

Conducted by the Central Board of Secondary Education (CBSE)

Time Allowed: 3 Hours **Maximum Marks: 40**

General Instructions

(i) Attempt any five questions.

(ii) All questions carry 8 marks. Follow any internal choices given in the questions.

Questions

Note : Attempt any five questions.

1. Classify the air-conditioning systems. Compare unitary and central air-conditioning systems.

2. Give a brief description of heating and humidifying equipments in an air-conditioning system.

3. Explain the requirements of air quantity, duct pressure and duct size in air distribution in air-conditioning.

4. Explain the importance of sensing elements in a control system. Where do we use a sensing bulb ?

5. How is the speed of fan motor controlled ? Give the functions of relays in a motor.

6. What is the utility of high pressure and low pressure cut-outs in a refrigeration system ? How is setting of range done in these ?

7. What common electrical faults occur in a refrigerator ? What steps would you take to avoid such faults ?

8. Write short notes on any ***two*** of the following : 4, 4

8(i). Filters

8(ii). Capacitors

8(iii). By-pass control

8(iv). Gas charging

- End of Question Paper -