CBSE Class 12 Air-Conditioning and Refrigeration 2004 - Set 112

Question Paper

Conducted by the Central Board of Secondary Education (CBSE)

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

General Instructions

(i) This question paper contains 8 questions.

(ii) Attempt any five questions. Each question carries 8 marks.

(iii) Follow the choices within the questions. Marks are indicated against each question or part.

Questions

Note: Attempt any five questions.

1. Explain the following processes and show the same on the psychrometric chart :

1(a). Cooling with dehumidification

1(b). Mixing of air streams

2. Explain the various sources of heat loads.

3(a). Describe a drier with a neat sketch.

3(b). Give the desirable properties of a good refrigerant.

4. Explain the construction and working of an air cooled condenser.

5. Describe briefly the following :

5(a). Capillary tube

5(b). Evaporator

6(a). What are the advantages of vapour absorption system ?

6(b). Give the desirable properties of insulating materials.

7(a). Explain the working of a high pressure float valve.

7(b). How is leakage of ammonia detected ?

8. Write short notes on any ***two*** of the following : 4×2

8(a). Brines

8(b). Purging air from the system

8(c). Air washer

- End of Question Paper -