CBSE Class 12 Air-Conditioning and Refrigeration 2007 - Set 112

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(a). Describe an air washer.

1(b). Explain the process of mixing of air streams and show it on a psychrometric chart.

2. Explain sensible heat load and latent heat load.

3(a). Explain a flooded type evaporator.

3(b). Compare a water cooled and an air cooled condenser.

4(a). Give the principles of heat transfer.

4(b). Draw the layout of a cold storage.

5. Explain the working of a thermostatic expansion valve with the help of a neat sketch.

6(a). How is leakage of ammonia detected ?

6(b). Describe a drier with a neat sketch.

7(a). Describe the advantages of a vapour absorption system.

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

8. Describe briefly the following processes :

8(a). Descaling of a condenser.

8(b). Purging of air from the system.

- End of Question Paper -