CBSE Class 12 Air-Conditioning and Refrigeration 2015 - Set 112 - Compartment

Question Paper

Conducted by the Central Board of Secondary Education (CBSE)

Time Allowed: 2 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

Instruction : Attempt any five questions. All questions carry equal marks.

1(a). Draw a psychrometric chart and show humidification and heating process on it.

1(b). Explain By-pass factor.

2(a). Enumerate the various sources of heat loads.

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

3. Differentiate between high pressure and low pressure float valves. Describe any one of these.

4(a). Describe an air cooled condenser.

4(b). Compare the properties of Flourocarbon refrigerants with ammonia.

5(a). Describe a flooded type evaporator.

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

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

6(b). Give the principles of heat transfer.

7. Briefly answer the following : 2×4

7(a). What is brine ? Explain.

7(b). Name two secondary refrigerants.

7(c). Give the function of drier.

7(d). Give the use of capillary tube.

8. Briefly describe the following processes :

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

8(b). Defrosting of evaporator.

- End of Question Paper -