CBSE Class 12 Air-Conditioning and Refrigeration 2016 - Set 112

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 chemical dehumidification process on it.

1(b). Distinguish between sensible heat gain and latent heat gain.

2. Explain automatic expansion value with the help of a neat sketch.

3(a). Explain the process of mixing of air streams.

3(b). Describe an air cooled condenser.

4(a). Describe the working of a dry evaporator.

4(b). Enumerate the various functions of thermal insulating materials.

5(a). Differentiate between primary and secondary refrigerants.

5(b). Draw a line diagram of a vapour absorption system.

6(a). Give the various application of refrigeration system.

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

7. Briefly describe the following processes :

7(a). Removals of moisture from the refrigeration system.

7(b). Cleaning of condenser.

8. Briefly answer the following : 2x4=8

8(a). Give the function of a capillary tube.

8(b). Give the use of air washer.

8(c). Name the use of refrigerant recommended for cold storage.

8(d). Give the location of an evaporator in a refrigeration system.

- End of Question Paper -