CBSE Class 12 Air-Conditioning and Refrigeration 2012 - 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. All questions carry equal marks.

1. Explain winter air-conditioning system. How is heating and humidification carried out ?

2. What do you understand by cooling load ? What are the sources that contribute to this load ?

3. Explain the function and working of a solenoid valve in a refrigeration system.

4(a). Explain the function of a modulating motor.

4(b). Why do we use relays in motors ? Give the types of relays used.

5. Give the function of an expansion device in a refrigeration system. Give examples of such devices and their suitability.

6. Explain a central air-conditioning plant and the equipment used in it. Give its suitability.

7. What are the common faults that take place in a refrigerator ? How are these rectified ?

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

8(a). Humidistat

8(b). Pressurestat

8(c). Capacitors

8(d). Hermetically sealed compressors

- End of Question Paper -