CBSE Class 12 Air-Conditioning and Refrigeration 2016 - Set 113

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

Instructions : *Attempt any* ***five*** *questions.* ***All*** *questions carry equal marks.*

1(a). Give different types of air conditioning systems and their suitability.

1(b). How is heating and dehumidification carried out in an air conditioning system ?

2. Explain air distribution in an air conditioning system. Which type of air filters are commonly used ?

3. Which type of control devices are used in a refrigeration system ? Explain the working of a thermostat.

4(a). Why are relays used in motors ? Which type of relays are commonly used ?

4(b). Give working of a capacitor.

5(a). What do you understand by cooling load in an air conditioning system ?

5(b). What is the function of fans and blowers in an air conditioning system ?

6(a). Explain the working of a thermostatic expansion valve.

6(b). How is the speed of fan controlled ?

7. Draw a monthly maintenance schedule of an air conditioning plant.

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

8(i). Type of filters

8(ii). Motor protection devices

8(iii). Unit air-conditioners

8(iv). Condensers

- End of Question Paper -