

CBSE Question Paper - 2010

AIR CONDITIONING AND REFRIGERATION - III

Class – XII

Time allowed: 3 hours

Maximum Marks: 40

1. What are sensible heat load and latent heat load? Give the sources of heat load. 8
2. (a) Describe an air washer. 4
(b) Explain the process of sensible cooling, and show it on psychometric chart. 4
3. (a) Compare a water – cooled condenser with an air – cooled condenser. 4
(b) Give the desirable properties of insulating materials. 4
4. Explain the working of a high pressure float valve with the help of a neat sketch. 8
5. (a) Explain the difference between a dry and a flooded type evaporator. 4

Other Educational Websites:

CSEGuess.com | NIOSGuess.com | IGNOUGuess.com | IITGuess.com | MagicSense.com | AIPMTGuess.com | AIEEEGuess.com
| IndiaGuess.com

- (b) Give the desirable properties of a good refrigerant. 4
6. (a) Draw the layout of an ice plant. 4
- (b) What are the advantages of vapour absorption system? 4
7. Briefly answer the following: 4×2
- (a) Define bypass factor.
- (b) Give the location of a condenser in a refrigeration system.
- (c) Give the use of a capillary tube.
- (d) Name the refrigerant recommended for cold storage.
8. Describe briefly the following processes: 4
- (a) Defrosting of a refrigeration system.
- (b) Charging the system through suction valve. 4

Other Educational Websites: