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Register Number:

7218

Name of the Candidate:

DIPLOMA EXAMINATION, 2010
(REFRIGERATION AND AIR CONDITIONING)
(PAPER-II)

120. REFRIGERATION SYSTEM

Dec]

[Time : 3 Hours

Maximum : 100 Marks

Answer any FIVE questions

(5×20=100)

1. a) Explain the working principle of deep freezer plant? (15)
b) What is refrigerants? Give five examples. (5)
2. a) Explain the writing layout of refrigeration system. (15)
b) Write short notes on charging procedure. (5)
3. a) State the function of expansion valves? (5)
b) Briefly explain about thermostatic expansion valve. (15)
4. Explain how the domestic refrigerator works? State their advantages and disadvantages. (20)
5. a) Explain with neat sketch working of multistage reciprocating air compressor with its advantages. (15)
b) Classify: Refrigerant compressors. (5)
6. Write short notes on: (4×5=20)
a) Ton of Refrigeration
b) Refrigeration Effect
c) Co-efficient of Performance
d) State how heat pump is differ from refrigerator?
7. a) Explain the construction and working principles of screw compressor? State their advantages and disadvantages. (15)
b) Write short notes on: Classification of compressors. (5)
8. a) Explain the features of cold storage. (12)
b) How is a leak of refrigerant found in refrigerator? (8)
