

Q.15 What are the application of commercial refrigeration?

Q.16 What type of air conditioning system is used in malls?

Q.17 How is ice quality measured?

Q.18 What are the importance of RH in different industries.

SECTION-C

Note: Long answer questions. Attempt any one questions out of two questions. (1x10=10)

Q.19 Explain different methods of ice manufacturing in detail?

Q.20 What is the criteria for selecting a refrigerant? Explain in detail.

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Level-5

2nd Sem / DVOC (Ref. & Air Conditioning)

Subject : Refrigeration & Air conditioning Application

Time : 2 Hrs.

M.M. : 50

SECTION-A

Note: Multiple choice questions. All questions are compulsory (5x1=5)

Q.1 Which of the following refers to the term C.O.P. of refrigeration?

- a) Cooling for performance
- b) Coefficient of performance
- c) Capacity of performance
- d) Co-efficient of plant

Q.2 Which of the following is the common application of Air standard refrigeration system?

- a) Cold storage
- b) Car air conditioning system
- c) Domestic refrigerators
- d) Aircraft air conditioning

- Q.3 Which of the following process is used in winter air conditioning ?
- Cooling and Dehumidification
 - Heating and Humidification
 - Dehumidification
 - Humidificatoin
- Q.4 On which of the following cycle the air conditioning system are based in transport aviation?
- Reversed Joule's cycle
 - Otto cycle
 - Reversed Carnot cycle
 - Reversed Brayton Cycle
- Q.5 Which of the following steps in making ice-cream is not present?
- Adding liquid materials to batch
 - Add solids to batch and stir it and mix till dispersed in a liquid
 - Add sugar at high temperatures but before pasteurization
 - None of the mentioned

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Section-B

Note: Objectives type questions. All questions are compulsory. (5x1=5)

- Q.6 Which gas is used in refrigeration?
- Q.7 Which refrigerant is commonly used in marine air conditioning?
- Q.8 Solid carbon dioxide is known as.....
- Q.9 Comfort air conditioning deals with human comfort which require noise control as well. (True/False)
- Q.10 An evaporator is also known as.....

SECTION-B

Note: Short answer type questions. Attempt any four questions out of eight questions. (4x5=20)

- Q.11 Explain different causes of food spoilage.
- Q.12 What is transport air conditioning?
- Q.13 What are the 5 major components of an automobile air conditioning system?
- Q.14 What are the industrial applications of the refrigeration system?

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