

SECTION-B

Note: Short answer type questions. Attempt any Six questions out of eight questions. (6x5=30)

- Q.11 Explain briefly principles of refrigeration?
- Q.12 Briefly explain reversed Carnot cycle.
- Q.13 Draw neat p-V diagram
- Q.14 Differentiate between dry & wet compression?
- Q.15 Write chemical properties of refrigerants.
- Q.16 What is air conditioning?
- Q.17 Write short note on the problems on sensible heat factor.
- Q.18 Write short note on vapour - absorption refrigeration systems.

SECTION-C

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

- Q.19 Explain treatment of water for making ice, brines & ice canes.
- Q.20 Explain Bell Coleman cycle in detail.

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Dvoc - Level -5

1st Sem / Food Processing

**Subject : Food Refrigeration
and supply chain**

Time : 2 Hrs.

M.M. : 50

SECTION-A

Note: Very short questions. Attempt all ten questions.
(10x1=10)

- Q.1 Write the unit of temperature ?
- Q.2 Define brine.
- Q.3 CFC stands for _____
- Q.4 _____ is the boiling point of water.
- Q.5 Define evaporation
- Q.6 Define super heating
- Q.7 Write full form of COP
- Q.8 What are azeotropes?
- Q.9 what is throttling?
- Q.10 What is water vapour?

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