

## **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?