

- Q.8 Boiling point of ammonia is \_\_\_\_\_.
- Q.9 Which process is generally used for preserving fish and meat ?
- Q.10 The COP of a domestic refrigerator is \_\_\_\_\_.  
( less than 1 / more than 1 )

### SECTION-B

**Note:** Short answer type questions. Attempt any six questions out of Eight questions. (6x5=30)

- Q.11 Explain the HVAC system of air-conditioning.
- Q.12 Describe the treatment of water for making ice.
- Q.13 Explain the air conditioning of aircrafts.
- Q.14 Explain the use of liquid N<sub>2</sub> in fabric and textile industries.
- Q.15 Explain the air conditioning of theaters and auditorium.
- Q.16 What are the general steps of manufacturing ice-cream.
- Q.17 Write the advantages of food preservation.
- Q.18 Write short note on marine air- conditioning.

### SECTION-C

**Note:** Long answer type questions. Attempt any one questions out of two questions. (10x1=10)

- Q.19 Define food preservation. Explain the major causes of food spoilage.
- Q.20 What is the principle of Ice production ? Explain different methods of Ice manufacturing.

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Roll No. ....

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DVOC (Level 5 )

Sem 2nd / Refrigeration & Air Conditioning

Subject : Refrigeration & Air Conditioning Applications

Time : 2 Hrs.

M.M. : 50

### SECTION-A

**Note:** Very short answer type questions . Attempt all ten question (10x1=10)

- Q.1 The process of removing water or moisture from a food product is known as \_\_\_\_\_.
- Q.2 Which refrigerant is generally used in refrigeration & air conditioning of aeroplanes ?
- Q.3 The process generally used in winter air-conditioning to warm and humidify the air is called \_\_\_\_\_.
- Q.4 Which air-conditioning system is used for air-conditioning the large buildings, hotels, airports, shopping mall etc.
- Q.5 The element of air - conditioning system which absorb heat from the space to be cooled is called \_\_\_\_\_.
- Q.6 Which refrigerant is used in large breweries?
- Q.7 For air conditioning of operation theater in hospitals, the percentages of outside air in the air supplied is \_\_\_\_\_.  
( 50 % / 100 % )