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B.VOC
(SEM V) THEORY EXAMINATION 2021-22
RAC INSTALLATION TECHNIQUES - II

Time: 3 Hours**Total Marks: 30****Note: 1.** Attempt all Sections. If require any missing data; then choose suitably.**SECTION A****1. Attempt all questions in brief.****1 x 6 = 6**

Qno.	Question	Marks
a.	What is HVAC? Explain in brief.	1
b.	Explain the use of evaporator in automobile.	1
c.	Which is the most common refrigerant used in ice manufacturing plant? Explain briefly.	1
d.	Explain the precautions to be adopted in milk refrigeration installations.	1
e.	What is Ceiling-mounted 'cassette' air conditioning in office?	1
f.	Which is the most common refrigerant used in cold storage?	1

SECTION B**2. Attempt any three of the following:****3 x 3 = 9**

a.	Explain the working of Automatic Climate Control in Automobile.	3
b.	Discuss the working principles of AC in automobile.	3
c.	What are different types of ducts in central air conditioning? Explain any one in detail.	3
d.	Write down the steps of installing the office air-conditioning.	3
e.	How condensate drain line is installed? Explain the steps.	3

SECTION C**3. Attempt any one part of the following:****1 x 3 = 3**

a.	What are different types of Automobile Air-conditioning? Explain Nash Integrated system.	3
b.	Discuss the various factors for installation of Air-conditioning system.	3

4. Attempt any one part of the following:**1 x 3 = 3**

a.	What is ice bank? Explain the advantages of ice bank.	3
b.	How hotel air-conditioning is different from office air-conditioning? Explain.	3

5. Attempt any one part of the following:**1 x 3 = 3**

a.	What is the need of air-conditioning in automobile? Explain.	3
b.	Write down the steps for the installation of cold storage refrigeration system.	3

6. Attempt any one part of the following:**1 x 3 = 3**

a.	Write down the applications of central air-conditioning system.	3
b.	What are design considerations for hotel air-conditioning? Discuss briefly.	3

7. Attempt any one part of the following:**1 x 3 = 3**

a.	Discuss the need of refrigeration in dairy industry.	3
b.	Explain the use of PVC duct.	3