

**GUJARAT TECHNOLOGICAL UNIVERSITY****BVOC - SEMESTER-IV EXAMINATION – WINTER 2022****Subject Code:1140404****Date:16-12-2022****Subject Name:RAC Installation Techniques - I****Time:10:30 AM TO 12:30 PM****Total Marks:50****Instructions:**

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.
4. Simple and non-programmable scientific calculators are allowed.

	<b>Marks</b>
<b>Q.1</b> (a) Write Short note on Ventilation arrangement for window air conditioner.	<b>05</b>
(b) Explain charging method with portable charging cylinder.	<b>05</b>
<b>Q.2</b> (a) Explain Pressure testing for leak testing method.	<b>05</b>
(b) Write selection criteria for the mounting position of split air conditioner.	<b>05</b>
<b>OR</b>	
(b) Explain in detail arrangement of Connecting the pipes and pipe insulations.	<b>05</b>
<b>Q.3</b> (a) Enlist commonly used Instruments, Tools and Supplies for installation of RAC system.	<b>05</b>
(b) Write Short note on Installing Refrigeration and Freeze.	<b>05</b>
<b>OR</b>	
<b>Q.3</b> (a) Enlist different types of leak detecting devices and explain in brief.	<b>05</b>
(b) Explain adding oil process to the RAC system.	<b>05</b>
<b>Q.4</b> (a) Explain Refrigerant recovery method.	<b>05</b>
(b) Write Installation procedure of split air conditioner.	<b>05</b>
<b>OR</b>	
<b>Q.4</b> (a) Write short note on Evacuation of refrigeration system.	<b>05</b>
(b) Draw wiring diagram for installation for room air conditioner and explain in brief.	<b>05</b>
<b>Q.5</b> (a) Explain Selection of proper location for Room Air Conditioner.	<b>05</b>
(b) Write Preparation steps for Installation of Room Air Conditioner.	<b>05</b>
<b>OR</b>	
<b>Q.5</b> (a) What Safety Precautions are considering while installing Room Air Conditioner.	<b>05</b>
(b) Write Short note on arrangement of proper slope and provision for to drain water.	<b>05</b>

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