Seat No.: _____ Enrolment No._____

GUJARAT TECHNOLOGICAL UNIVERSITY

Diploma Engineering - SEMESTER – IV• EXAMINATION – WINTER 2012

Subject code: 340503 **Date: 27/12/2012**

Subject Name: Chemical Process Technology-II

Time: 02.30 pm - 05.00 pm **Total Marks: 70**

Instructions:

1. **Attempt any five questions.**
2. **Make suitable assumptions wherever necessary.**
3. **Figures to the right indicate full marks.**
4. **English version is considered to be Authentic.**
5. **Draw Figure of Flow Diagram Wherever necessary.**

Q:1	(a) Define Oil and write its physical properties.	07
	(b) Explain manufacturing of glycerin with flow diagram.	07
Q:2	(a) Differentiate sulfite and sulfate pulp process.	07
	(b) Classify fules and describe method of production of producer gas with figure.	07
	OR	
	(b) Define pesticides and classify it with example.	07
Q:3	(a) Explain manufacturing of starch from maize.	07
	(b) Compare natural and synthetic rubber.	07
	OR	
Q:3	(a) Write short note on fruit juices.	07
	(b) Explain production of bromine from sea water.	07
Q:4	(a) Discuss about the paints and warnishes.	07
	(b) Explain major engineering problems of sugar manufacturing.	07
	OR	
Q:4	(a) Define electrochemical industry and classify it.	07
	(b) Discuss major engineering problems of manufacturing of coke oven gas.	07
Q:5	(a) Discuss major engineering problems paper industries.	07
	(b) Explain manufacturing of citric acid from molasses.	07
	OR	
Q:5	(a) Explain manufacturing of ethyl alcohol by fermentation.	07
	(b) Discuss vulcanization of rubber.	07

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