Seat No.: _____ Enrolment No._____

GUJARAT TECHNOLOGICAL UNIVERSITY

DIPLOMA ENGG.- IVth SEMESTER–EXAMINATION – JUNE- 2012

Subject code: 340503 **Date: 19/06/2012**

Subject Name: CHEMICAL PROCESS TECHNOLOGY-II

Time: 02:30 pm – 05:00 pm **Total Marks: 70**

Instructions:

1. **Attempt all questions.**
2. **Make suitable assumptions wherever necessary.**
3. **Figures to the right indicate full marks.**
4. **English version is considered to be Authentic**

Q.1	(a)	State The Physical Properties of Oil and Its Uses	**07**
	(b)	Describe The Mechanical Extraction Method Of Vegetable Oil With Neat Flow Diagram	**07**
Q.2			
	(a)	Explain Hydrogenation Of Oil	**07**
	(b)	Describe The Process Of Paint Manufacturing From Pigments	**07**
		OR	
	(b)	Explain Manufacturing Process Of Glycerin From Fat With Figure.	**07**
Q.3			
	(a)	Elaborate Manufacturing Process of Sugar from Sugarcane with Flow Sheet	**07**
	(b)	Write Short Note On Bleaching Of Pulp	**07**
		OR	
Q.3	(a)	Explain the Fourdrinier Machine Method for Paper Manufacturing With Flow Diagram.	**07**
	(b)	List Out Major Engineering Problems Face By Paper Industries And Explain Its	**07**
Q.4			
	(a)	Elaborate Manufacturing Process Of Producer Gas	**07**
	(b)	Explain Briefly About Industrial Gases	**07**
		OR	
Q. 4	(a)	Describe The Manufacture Process Of Coke Oven Gas With Neat Flow Diagram	**07**
	(b)	Give The Name Of Various Types Of Fermentation Process And Explain Any One	**07**
Q.5			
	(a)	Differentiate Natural Rubber And Synthetic Rubber	**07**
	(b)	Explain Vulcanization Of Rubber	**07**
		OR	
Q.5	(a)	Describe The Process Of Bromine Production From Sea Water	**07**
	(b)	Define Pesticide And Classified According To Its Uses	**07**

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