

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

- Q.3** (b) Explain Manufacturing Process Of Glycerin From Fat With Figure. **07**
(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**
