

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
Diploma Engineering Semester –IV Examination Dec. - 2011

Subject code: 340503

Date: 08/12/2011

Subject Name: Chemical Process Technology-II

Time: 10.30 am – 1.00 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 Authentic.**

Q-1 (a) Explain Paints & Varnishes. (7)
(b) Classify Fuels. (7)

Q-2 (a) Explains manufactures of vegetable oil by solvent extraction method. (7)
(b) Define oil & Write its physical properties. (7)
OR
(b) Explain major engineering problems in manufacturing of coke oven gas. (7)

Q-3 (a) Explain manufacture of sugar from sugar-cane with flow diagram. (7)
(b) Discuss the major engineering problems in sugar manufacturing. (7)
OR

Q-3 (a) Explains kraft process for pulp making with figure. (7)
(b) Explain Industrial gases. (7)

Q-4 (a) Explain Production of ethyl alcohol by fermentation. (7)
(b) Explain manufacture of ice-cream. (7)
OR

Q-4 (a) State Classification of Pesticides. (7)
(b) Differentiate Natural rubber & Synthetic rubber. (7)

Q-5 (a) Discuss the Production of bromine from sea-water. (7)
(b) Discuss three methods of pulp production. (7)
OR

Q-5 (a) Write a note on chemicals from sea. (7)
(b) Explain production of citric acid from molasses. (7)
