

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

Diploma Engineering - SEMESTER-IV • EXAMINATION – SUMMER • 2014

Subject Code: 340503

Date: 29-05-2014

Subject Name: Chemical Process Technology - II

Time: 10:30 am - 01:00 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. Each question carry equal marks (14 mark)
5. Draw the figure wherever necessary.

Q:1	(a)	Define Oil and state the physical properties of oil.	07
	(b)	Explain major engineering problems of coke oven gas manufacturing.	07
Q:2	(a)	Explain manufacturing of sugar from sugar cane.	07
	(b)	Explain manufacturing of paper by fourdrinier machine.	07
		OR	
	(b)	Discuss major engineering problems of sugar manufacturing.	07
Q:3	(a)	Explain extraction of vegetable oil by mechanical method.	07
	(b)	Differentiate producer gas and water gas.	07
		OR	
Q:3	(a)	Explain manufacturing of glycerine from fat.	07
	(b)	Discuss Industrial gases.	07
Q:4	(a)	Explain production of ethyl alcohol by fermentation	07
	(b)	Discuss vulcanization of rubber.	07
		OR	
Q:4	(a)	How fruit juices are produced explain in detail.	07
	(b)	Classify pesticides.	07
Q:5	(a)	Explain production of bromine from sea water.	07
	(b)	Differentiate natural and synthetic rubber.	07
		OR	
Q:5	(a)	Explain manufacturing of citric acid from molasses.	07
	(b)	Discuss production of DDT.	07
