GUJARAT TECHNOLOGICAL UNIVERSITY BE - SEMESTER-VI • EXAMINATION – WINTER 2013

Subje	ect (Code: 160502 Date: 29-11-2013	
•	: 02	Name: Chemical Process Industries - II 2:30 pm to 05:00 pm Total Marks: 70	
	1. 2.	Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.	
Q.1	(a) (b)		07 07
Q.2	(a)	Describe in detail the manufacturing of sugar from sugarcane with neat and labeled flow – sheet. Also mention major engineering problems associated to it.	07
	(b)		07
	(b)	Describe in detail: Vitamins.	07
Q.3	(a) (b)		07 07
Q.3	(a) (b)	major engineering problems involved in it.	07 07
Q.4	(a) (b)		07 07
Q.4	(a) (b)	Enlist the uses of citric acid. Describe the production of citric acid by molasses fermentation with a neat flow chart.	07 07
Q.5	(a)		07 07
	(b)	Define: Antibiotics. Explain in brief about Erythromycin, Streptomycin and Penicillin with its uses.	07
Q.5	(a)	OR Write a note on: Constituents of paints and explain Pigment Volume Concentration (P. V. C.) for paints in brief.	07
	(b)	Explain the manufacturing of citric acid by fermentation.	07
