Seat No.:	Enrolment No.
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GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-IV • EXAMINATION – WINTER 2013

	•	Code: 143601 Date: 26-12-2013	
Tir	ne: 0 cructio	Name: Medicinal Chemistry & Physiopharmacology 2:30 pm to 05:00 pm Total Marks: 70 ons: Attempt all questions. Make suitable assumptions wherever necessary.	
		Figures to the right indicate full marks.	
Q.1	(a) (b)	Comment on the structure-activity relationship of barbiturate drugs Draw the structure of Nephron and label its parts.	07 07
Q.2	(a) (b)	What is anemia? Explain the importance of iron in body? Explain the different phases in coagulation? Give the structure, mechanism and metabolism of any one anticoagulant.	07 07
	(b)	OR Which are the conditions that lead to constipation? Write a note on laxatives.	07
Q.3	(a) (b)	Explain the process of digestion? Write a note on antacids. Write the MOA and SOA of five diuretic drugs OR	07 07
Q.3	(a) (b)	Write a note on respiratory system. Write the MOA and SOA of five diuretic drugs	07 07
Q.4	(a) (b)	Write the mechanism of action of the following drugs: (i) Cimitidine (ii) Esomeprazole (iii)Oxytocin (iv)Gliclazide (v)Acetazolamide Write a note on histamines.	07
Q.4	(a) (b)	OR Explain Local Anesthetics in detail. Classify hypnotics. Write a note on Barbiturates.	07 07
Q.5	(a)(b)	Which are the types of Diabetes Mellitus. Explain the action and mechanism of Insulin release. Define Chemotherapy. Explain the drugs used in Cancer Therapy? OR	07 07
Q.5	(a) (b)	Write a note on Antihypertensive agents. Write a note on Antiseizure drugs.	07 07
