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GUJARAT TECHNOLOGICAL UNIVERSITY

B.Ph. - SEMESTER- V• EXAMINATION - WINTER -2020

•		Code: 2250004 Date: 11/01/2021 Name: Pharmaceutical Chemistry - VII	
1. 2. 3.	ctions Atte Q.7 Mak	as 30AM TO 12:30PM Total Marks: 54 Total Marks: 54	06 05 05
Q.2	(a)(b)(c)	Give the IUPAC name and synthesis of following compound: a) Propranolol b) Diatriazoic acid What is Medicinal Chemistry? Describe importance of Medicinal chemistry in drug discovery. Discuss in detail drugs for irritable bowel syndrome.	06 05 05
Q.3	(a) (b) (c)	Enlist various physicochemical parameters. How partition coefficient and ionization affects biological activity of drug. Explain in detail SAR of muscarinic antagonists. Give the structure and IUPAC name of following compounds: a) Atenolol b) Dicyclomine HCl c) Chlorpheniramine d) Promethazine e) Salbutamol	06 05 05
Q.4	(a) (b) (c)	Define asthma. Classify the drugs used in treatment of asthma with suitable example. Discuss bronchodilators in detail. Give the synthesis of a) Adrenaline b) Promethazine Write a Short note on Mucolytic agents.	06 05 05
Q.5	(a) (b) (c)	Explain in detail Cyclooxygenase pathway. Explain Laxatives. Classify them with suitable example along with structure. Define Drug Therapy. Write a note on history of medicinal chemistry	06 05 05
Q. 6	(a) (b) (c)	What is Phase – I metabolism? Discuss in detail Oxidative biotransformation. Write a note on Prokinetics. Discuss SAR of Parasympathomimetics.	06 05 05
Q.7	(a) (a)	Write a short note on : a) Decongestants b) Respiratory Stimulants OR Discuss in depth eicosanoids approved for human clinical use.	06 06
	(a)	OR Give the synthesis of Cetrizine and Neostigmine.	06