## Bachelor of Pharmacy (B. Pharm) Sixth Semester BP602 - Pharmaceutical Medicinal Chemistry-I

P. Pages : 1 Time : Three Hours			* 0 8 9 0 *	GUG/W/18/1177 Max. Marks : 80	
	Notes	s: 1. Q 2. A 3. D 4. D	No. 1 is compulsory and solve <b>any four</b> from remaining. Il questions carry equal marks. iagrams and Chemical equation should be given wherever neces iscuss the reaction, mechanism wherever necessary.	sary.	
1.		Solve <b>any</b> a) What b) Expla c) What d) Role e) Give f) Write	<b>four</b> from following. are Emetics and Antiemetics. ain Receptor site theories. are the drugs used in Parkinsonism and Alzheimer's disease. of Cocain in the history of development of local Anaesthetics. the application of green chemistry. the synthesis of Diazepam and oxazepam.		16
2.	a)	Write metabolic Biotrans formation phase-I and conjugation phase-II reaction with Glucuronic and sulphate conjugation.			
	b)	Write about Ferguson's principle in drug design and add a note on physicochemical properties in drug design.			
3.		What are sedative and hypnotics? Classify them with suitable examples, structures, IUPAC name with their mode of action. Discuss the SAR of barbituric acid for sedative and hypnotic activity.			16
4.	a)	What are ganesthetics	general and local anesthetics? Give detailed account of ester type s. Outline the synthesis of orthocain.	of local	8
	b)	What are a antidepress	antidepressants? Classify them with suitable examples. Explain S sant.	AR of tricyclic	8
5.		Classify ar mechanism	ntipsychotic agents with examples, structure and IUPAC names. In of action and SAR of drugs used in treatment of psychoses.	Summarize	16
6.		What are a with their phenytoin.	inticonvulsants? Classify them with suitable examples, structure, mode of action. Discuss SAR for anticonvulsant action and give	IUPAC names synthesis of	16
7.		Write a sho a) Antid b) Antac c) CNS d) Antia	ort note on <b>any four</b> of the following. liarrheals cids stimulants nxiety		4x4 =16

e) Purgatives.

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