GUJARAT TECHNOLOGICAL UNIVERSITY B. Pharm. - SEMESTER - V • EXAMINATION - WINTER 2013

Subject Code: 250005Date: 06-12-2013Subject Name: Pharmacology - IITime: 10.30 am - 01.30 pmInstructions:Total Marks: 80			013
			: 80
 Attempt any five questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks. 			
Q.1	(a)	Classify antiepileptic drugs. Write in general mechanism of action of	06
	(b) (c)	antiepileptics. What is angina pectoris? Write the pharmacology of Nitroglycerin. Write short note on Thrombolytics.	05 05
Q.2	(a) (b)	Classify hypnotics and sedatives. Write a note on Benzodiazepines. Explain the role of calcium channel blockers in the treatment of hypertension and arrhythmias.	06 05
	(c)	Write short note on gene based therapy.	05
Q.3	(a)	Give two examples and uses of each of the following:- SSRIs, Potassium sparing diuretics and Haematinics.	06
	(b) (c)	Justify the use of Carbidopa and COMT inhibitors with Levodopa. Write a note on pre-anesthetic medications.	05 05
Q.4	(a)	Write mechanism of action and uses of MAO inhibitors. What is cheese reaction?	06
	(b) (c)	Classify lipid lowering agents. Write a note on Fibrates. What is cardiotonic agent? Give example and its pharmacology in detail.	05 05
Q.5	(a)	Write the advantages of atypical antipsychotics over typical antipsychotics. Briefly describe the pharmacology of Clozapine.	06
	(b) (c)	Classify anticoagulants. Write a note on warfarin. Write short note on morphine poisoning and its treatment.	05 05
Q. 6	(a) (b) (c)	Describe the role of excitatory neurotransmitters in CNS. Write the pharmacokinetics and chronic ill effects of ethyl alcohol. Write short note on anti-diuretics.	06 05 05
Q.7	(a)	Write mechanism of action and uses of Buspirone, Disulfiram and	06
	(b) (c)	Lithium. Mention the pharmacological actions and uses of Aspirin. Write short note on drug dependence and drug abuse.	05 05