Seat No.: _____ Enrolment No._____

GUJARAT TECHNOLOGICAL UNIVERSITY

Bachelor of Pharmacy Sem-V-Examination-Nov/Dec-2011

Subject code: 250005 **Date: 29/11/2011**

Subject Name: Pharmacology-II

Time: 2.30 pm -5.30 pm

Total marks: 80

Instructions:

1. **Attempt any five questions.**
2. **Make suitable assumptions wherever necessary.**
3. **Figures to the right indicate full marks.**

Q.1	(a)	Classify Hypnotic and Sedatives. Describe pharmacological actions of Benzodiazepines.	**06**
	(b)	What are cardiotonics? Describe the pharmacology of digoxin.	**05**
	(c)	Discuss mechanism of action and therapeutic uses of following: 1. Lithium 2. Atorvastatin	**05**
Q.2	(a)	Classify antihypertensive drugs with examples. Discuss in detail about ACE inhibitors.	**06**
	(b)	Write rationale for use of ethyl alcohol in methyl alcohol poisoning.	**05**
	(c)	Write a note on Antiplatelet drugs.	**05**
Q.3	(a)	Classify NSAIDs with examples. Describe the pharmacology of salicylates.	**06**
	(b)	Write in detail about rationale for combination of Levodopa and Carbidopa.	**05**
	(c)	Discuss mechanism of action and therapeutic uses of following: 1. Nifedipine 2. Risperidone	**05**
Q.4	(a)	Define and classify diuretics with examples. Write a note on diuretic acting on distal tubule.	**06**
	(b)	Explain in detail about morphine poisoning and its treatment.	**05**
	(c)	Write a note on CNS stimulants.	**05**
Q.5	(a)	Classify antiepileptic drugs. Write mechanism of action and adverse effects of lamotrigine.	**06**
	(b)	What is angina pectoris? Describe the pharmacology of nitrates.	**05**
	(c)	Write a short note on Class-I anti-arrhythmic drugs.	**05**
Q. 6	(a)	Classify anti-coagulants. Write a note on oral anti-coagulants.	**06**
	(b)	Define general anesthetics. Discuss various stages of general anesthesia.	**05**
	(c)	Write a short note on SSRIs.	**05**
Q.7	(a)	Define gene therapy. Explain various applications of gene therapy.	**06**
	(b)	Write in detail about barbiturate poisoning and its treatment.	**05**
	(c)	Write a note on Haematinics.	**05**

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