Seat No.: _____ Enrolment No._____

GUJARAT TECHNOLOGICAL UNIVERSITY

B.PHARM – SEMESTER – V • EXAMINATION – WINTER – 2015

Subject Code: 250005 **Date: 19/12/2015**

Subject Name: Pharmacology-II

Time: 10.30 AM to 1.30 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)	Give the mechanism of action and uses of the following: (a) Simvastatin (b) Pethidine (c) halothane	**06**
	(b)	Classify NSAIDs. Write adverse effects of Aspirin.	**05**
	(c)	Describe the pharmacology of warfarin	**05**
Q.2	(a)	Write pharmacological actions of alcohol	**06**
	(b)	Describe pharmacological actions of benzodiazepine.	**05**
	(c)	Write mechanism of action and adverse effects of anti-parkinsonian drugs	**05**
Q.3	(a)	Classify anti-epileptic drugs. Describe pharmacology of phenytoin.	**06**
	(b)	Write mechanism of action, pharmacokinetics, uses, side-effects of nitroglycerin.	**05**
	(c)	Write a short note on potassium-sparing diuretics	**05**
Q.4	(a)	Enlist various throbolytic agents. Describe in brief the pharmacology of streptokinase.	**06**
	(b)	Write a short note on plasma volume expanders.	**05**
	(c)	Define gene therapy and write various applications of gene therapy.	**05**
Q.5	(a)	Classify antihypertensive agents.	**06**
	(b)	Describe the role of digoxin in congestive cardiac failure.	**05**
	(c)	Write a note on Vitamin-K	**05**
Q. 6	(a)	Write a short note on anti-arrhythmic drugs.	**06**
	(b)	Classify sedatives and hypnotics	**05**
	(c)	Write short note on morphine poisoning and its treatment.	**05**
Q.7	(a)	Give examples and uses of the following: (a) Loop diuretics (b) MAO inhibitors (c) Calcium channel blockers	**06**
	(b)	Describe the pharmacology of atypical antipsychotics	**05**
	(c)	Describe the role of excitatory neurotransmitters in CNS.	**05**

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