

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 thrombolytic 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
