Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY B. Pharm. - SEMESTER-V • EXAMINATION – SUMMER 2017

Subject Code: 250005 Subject Name: PHARMACOLOGY-II Time: 10:30 AM to 01:30 PM

Date: 14/06/2017

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) (b)	Classify hypnotics and sedatives. Write pharmacology of barbiturates. Discuss pharmacological actions, pharmacokinetics and toxicity of ethyl- alcohol.	06 05
	(c)	Explain mechanism of action and different stages of general anaesthesia.	05
Q.2	(a)	Classify antiepileptic drugs. Write mechanism of action, pharmacokinetics, Uses and adverse effects of phenytoin.	06
	(b) (c)	Write a short note on central neuronal transmitters. Describe pharmacological actions and therapeutical uses of chlorpromazine.	05 05
Q.3	(a) (b) (c)	Classify drugs used in Parkinsonism. Discuss the pharmacology of levodopa. Write short note on drug dependence and drug abuse. Describe pharmacological actions and side effects of morphine.	06 05 05
Q.4	(a) (b) (c)	Classify NSAIDs. Write a note on aspirin. Write a note on CNS stimulants. Define angina pectoris. Explain the pharmacology of nitrates.	06 05 05
Q.5	(a) (b) (c)	Classify antihypertensive drugs. Write a note on ACE inhibitors. Enlist cardiac glycosides. Write mechanism of action and uses of digoxin. Write a note on antidiuretics.	06 05 05
Q. 6	(a)	Classify antiarrhythmic agents. Write mechanism of action and adverse effect of Quinidine.	06
	(b) (c)	Define haematinics. Write a short note on erythropoietin. Describe the various applications of gene therapy.	05 05
Q.7	(a) (b)	Classify anti-coagulants. Write a note on oral anti-coagulants. What are the requirements of an ideal plasma expander? Write a note on Dextran-70.	06 05
	(c)	Write a short note on HMG Co-A reductase inhibitors.	05
