

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
B. Pharm. – SEMESTER – VII • EXAMINATION – WINTER • 2014

Subject Code: 270006

Date: 06/12/2014

Subject Name: Pharmacology-III

Time: 10:30 am – 01:30 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)	Explain mechanism of action of antimicrobial agents that interfere with cell wall synthesis with suitable illustrations.	06
	(b)	Write the pharmacology of 5HT ₃ antagonists.	05
	(c)	Write a note on oxytocics.	05
Q.2	(a)	Explain in detail biochemical mechanisms of resistance to antibiotics.	06
	(b)	Write note on chloramphenicol.	05
	(c)	How are monoclonal antibodies useful in the treatment of cancer?	05
Q.3	(a)	Write the anti-bacterial spectrum, mechanism of action and therapeutic uses of cephalosporins.	06
	(b)	Write a note on drugs used in treatment of candidiasis.	05
	(c)	Write a note on folate antagonists and therapeutic applications of Cotrimoxazole.	05
Q.4	(a)	Classify antimalarial drugs. Describe the mechanism of action and adverse effects of Chloroquine.	06
	(b)	Write a note antisecretory agents used in treatment of peptic ulcer.	05
	(c)	Describe the pharmacology of drugs for the treatment of luminal amoebiasis.	05
Q.5	(a)	Classify anthelmintic agents. Write a short note on pharmacology of Albendazole.	06
	(b)	Write a note on adverse effects and uses of isoniazid.	05
	(c)	Describe the pharmacology of thyroid hormones.	05
Q.6	(a)	Explain the mechanism of action of insulin. Write a note on different insulin preparations and their indications.	06
	(b)	Classify antiviral drugs on the basis of mechanism of action.	05
	(c)	Write a note on replacement therapy using corticosteroids.	05
Q.7	(a)	Classify laxatives with examples. Write a brief account on fecal softeners.	06
	(b)	Explain the mechanism of action and uses of theophylline.	05
	(c)	Write a note on oral contraceptives.	05
