Seat No.: _____ Enrolment No._____

GUJARAT TECHNOLOGICAL UNIVERSITY

B. Pharm. – SEMESTER – VII • EXAMINATION – WINTER 2013

Subject Code: 270006 **Date: 07-12-2013**

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)	Classify semi synthetic penicillins. Write antibacterial spectrum and therapeutic uses of amoxycillin.	**06**
	(b)	Explain in detail about mechanism of action and therapeutic uses of quinolones.	**05**
	(c)	Write in brief about antiemetic drugs.	**05**
Q.2	(a)	Classify anticancer drugs. Write in detail about paclitaxel.	**06**
	(b)	Write mechanism of action of 1. Co-trimoxazole 2. Rosiglitazone	**05**
	(c)	Write a short note on oral contraceptives.	**05**
Q.3	(a)	Classify antimalarial drugs. Write pharmacological actions of quinine.	**06**
	(b)	Write in detail about mechanism of action, adverse effects, and therapeutic uses of pantoprazole.	**05**
	(c)	Write a note on aminoglycoside antibiotics.	**05**
Q.4	(a)	Classify antifungal drugs. Write in brief about amphotericin B.	**06**
	(b)	Discuss in detail about mechanism of action, adverse effects and therapeutic uses of rifampicin.	**05**
	(c)	Write a short note on nitric oxide.	**05**
Q.5	(a)	Classify drugs used in bronchial asthma. Discuss β_2 agonist as bronchodilators.	**06**
	(b)	Write in brief about mechanism of action, adverse effects and therapeutic uses of acyclovir.	**05**
	(c)	Write a short note on bacterial drug resistance.	**05**
Q. 6	(a)	Classify oral hypoglycemic drugs. Explain in brief about pharmacology of sulphonylureas.	**06**
	(b)	Explain in brief about pharmacology of corticosteroids.	**05**
	(c)	Write mechanism of action and adverse effects of following: 1. Tetracycline 2. Dapsone	
Q. 7	(a)	Classify anti thyroid drugs. Discuss in brief about mechanism of action and adverse effects of methimazole.	**06**
	(b)	Write differences in mechanism of action, adverse effects and therapeutic uses of estrogen and progesterone.	**05**
	(c)	Write a note on immunosuppressant drugs.	**05**

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