Seat No.: _____ Enrolment No._____

GUJARAT TECHNOLOGICAL UNIVERSITY

B. Pharm. – SEMESTER – VII • EXAMINATION – SUMMER • 2014

Subject Code: 270006 **Date: 17-06-2014**

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)**	Enumerate various antimalarial drugs. Write the mechanism of action and adverse effects of Chloroquine.	**06**
	(b)	Explain mechanism of action of antimicrobial agents that interfere with cell wall synthesis with suitable illustrations.	**05**
	(c)	Classify beta lactam antibiotics.	**05**
Q.2	**(a)**	Give the mechanism of action and uses of the following: (i) Dapsone (ii) Cotrimoxazole (iii) Erythromycin	**06**
	(b)	Describe the mechanism of action, adverse effects and uses of rifampicin	**05**
	(c)	Describe the pharmacology of Amphotericin B.	**05**
Q.3	**(a)**	Enlist the adverse effects and uses of the following drugs: (i) Ciprofloxacin (ii) Tetracyclines (iii) Mebendazole	**06**
	(b)	Describe the mechanism of action, adverse effects and uses of aminoglycosides.	**05**
	(c)	Write a short note on antiretroviral drugs.	**05**
Q.4	**(a)**	Classify oral hypoglycaemic drugs. Explain why glitazones are referred as "insulin sensitizers"?	**06**
	(b)	Write a detailed note on anticancer agents from plant origin.	**05**
	(c)	Explain in detail the drugs used in treating 'Graves disease.'	**05**
Q.5	**(a)**	Classify immunosuppresants. Write mechanism of action and adverse effects of cyclosporine.	**06**
	(b)	Write a note on replacement therapy using corticosteroids.	**05**
	(c)	Write a note on oxytocics.	**05**
Q. 6	**(a)**	Write a short note on: (i) Mini Pills (ii) Anabolic steroids	**06**
	(b)	Explain the mechanisms of action, adverse effects of various drugs used in asthma.	**05**
	(c)	Write a note on expectorants and antitussive agents.	**05**
Q. 7	**(a)**	Explain the mechanism of action, toxicity and uses of stimulant purgatives.	**06**
	(b)	Write the pharmacology of $5HT_3$ antagonists.	**05**
	(c)	Classify antiulcer drugs.	**05**

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