Seat No.: _____ Enrolment No._____

GUJARAT TECHNOLOGICAL UNIVERSITY

B.PHARM – SEMESTER – 7- EXAMINATION –WINTER - 2018

Subject Code: 270006 **Date: 28/11/2018**

Subject Name: Pharmacology-III

Time: 10:30 AM TO 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 antibiotics according to its mechanism of action. Discuss the mechanism of bacterial resistance against antibiotics.	**06**
	(b)	Explain the mechanism, adverse effects and uses of Cephalosporins.	**05**
	(c)	Explain molecular mechanism of action of cell wall synthesis inhibition in detail.	**05**
Q.2	**(a)**	Define chemotherapy and explain different mechanisms of chemotherapeutic agents.	**06**
	(b)	Explain WHO categorization of T.B. patients and recommended dose regimen.	**05**
	(c)	Classify antiulcer agents? Write a note on proton pump Inhibitors.	**05**
Q.3	**(a)**	Classify immunosuppresants. Write mechanism of action and adverse effects of cyclosporine.	**06**
	(b)	Write a note on oxytocics.	**05**
	(c)	Write a note on replacement therapy using corticosteroids.	**05**
Q.4	**(a)**	Classify antimalarial drugs. Describe the mechanism of action and adverse effects of Chloroquine.	**06**
	(b)	Give short note on expectorants and classify drugs used in asthma	**05**
	(c)	Describe synthesis of nitric oxide. Write therapeutic uses of NO donors.	**05**
Q.5	**(a)**	Write a short note on life cycle of malarial parasites.	**06**
	(b)	Write a short note on expectorants.	**05**
	(c)	Give detailed account on estrogens and antiestrogens.	**05**
Q. 6	**(a)**	Classify oral hypoglycemic agents and differentiate between Sulphonylurea, DPP4 inhibitors and Biguanides.	**06**
	(b)	Write the mechanism of action of antileprotic drugs?	**05**
	(c)	Write a short note on anthelmintic drugs.	**05**
Q.7	**(a)**	What is HAART? Discuss pharmacology of reverse transcriptase inhibitors.	**06**
	(b)	Classify antiviral drugs on the basis of mechanism of action.	**05**
	(c)	Define terms: super infection, malignant tumor, gray baby syndrome, synergism and ototoxicity.	**05**

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