Seat No.:	Enrolment No.
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GUJARAT TECHNOLOGICAL UNIVERSITY M, Pharm. – SEMESTER – I • EXAMINATION – WINTER • 2015				
Sub	iect (	Code: 910203 Date: 02-01-2016		
Subj Tim	ject l e: 10	Name: Ad vance in Pharmacology 0:30 am - 01:30 pm Total Marks: 80		
Instr	1. 2.	Attempt any five questions.  Make suitable assumptions wherever necessary.  Figures to the right indicate full marks.		
Q.1	(a) (b) (c)	Differentiate nondepolarizing and depolarizing neuromuscular blockers. Discuss uses and side effects of propranolol. Discuss actions and functions of 5-hydroxy tryptamine.	06 05 05	
Q.2	(a) (b) (c)	Discuss antibacterial spectrum and clinical uses of penicillin. Write a note on eicosanoids. Give difference between sympathomimetics and parasymapathomimetics.	06 05 05	
Q.3	<ul><li>(a)</li><li>(b)</li><li>(c)</li></ul>	Discuss antimicrobial spectrum and side effects of aminoglycoside antibiotics giving suitable examples.  Discuss mechanism of action and uses of neuraminidase inhibitors giving examples.  Discuss clinical uses of adrenoceptors agonists.	06 05 05	
Q.4	(a) (b) (c)	Discuss mechanism of action, uses and side effects of cytotoxic antibiotics giving examples.  Discuss clinical uses and side effects of atropine.  Write a note on ketoconazole.	06 05 05	
Q.5	(a) (b) (c)	Classify immunosuppresants. Write a note on tacrolimus. What are HAART regimen? Write a note on zidovudine. Justify use of folinic acid in the treatment of methotrexate toxicity.	06 05 05	
Q. 6	(a) (b) (c)	Discuss mechanism of action and clinical uses of azithromycin.  Justify use of mesna in the treatment of cyclophosphamide.  Discuss mechanism of action of hormone analogues used in cancer chemotherapy.	06 05 05	

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**05** 

Discuss first-line antituberclosis drugs.

Write a note on clofazimine.

Discuss pharmacological actions of adrenaline.

**Q.7** 

(a)

(b) (c)