## **GUJARAT TECHNOLOGICAL UNIVERSITY** M. Pharm. - SEMESTER – I – EXAMINATION – SUMMER 2017

Subject Code: 910203Date: 01/0Subject Name: Advances in pharmacologyTotal MaTime: 10:30 AM to 01:30 PMTotal Ma			/05/2017	
			Iarks: 80	
<ol> <li>Instructions:         <ol> <li>Attempt any five questions.</li> <li>Make suitable assumptions wherever necessary.</li> <li>Figures to the right indicate full marks.</li> </ol> </li> </ol>				
Q.1	( )	<ul><li>Write mechanism of action of following drugs: (any three)</li><li>i. Cotrimoxazole ii. Fluoroquinolones iii. Gancyclovir iv. Dapsone</li><li>Discuss in brief the Pharmacological actions of 5-HT.</li><li>Write in brief about Macrolides.</li></ul>	06 05 05	
Q.2	(a) (b) (c)	Classify Penicillins. Describe the Pharmacology of Ampicillin. Write a note on neuromuscular blockers. Classify drugs used in Leprosy. Write a note on Clofazimine.	06 05 05	
Q.3	(a) (b) (c)	Write a short note on Anticholinesterases. Classify anticancer drugs. Discuss antibiotics used as anticancer drugs. Write a note on Leukotrienes.	06 05 05	
Q.4	. ,	Classify H <sub>1</sub> antagonists. Discuss their pharmacological actions a adverse effects. Classify adrenoceptor antagonists. Discuss the pharmacology Tamsulosin. Enumerate antifungal agents. Write a note on Amphotericin-B.	nd 06 of 05 05	
Q.5	(a) (b) (c)	Explain DOTS therapy. Discuss the use of Isoniazid in tuberculosis. Explain in brief mechanisms of resistance to antibiotics. Explain mechanism of action, therapeutic uses and adverse effects aminoglycosides.	06 05 of <b>05</b>	
Q. 6	(a) (b) (c)	Write a note on hormonal agents used in Cancer. Classify antimalarial agents emphasizing on their mechanism of acti- and stage of parasite affected. Write a note on anthelmentics.	06 on 05 05	
Q.7	(a) (b) (c)	Explain mechanism of action, antimicrobial spectrum and dose relat toxicity of tetracyclines. Classify immunosuppresants. Explain in detail calcineurin inhibitors. Discuss the pharmacotherapy of Syphilis.	ed 06 05 05	

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