Seat No.: _____

GUJARAT TECHNOLOGICAL UNIVERSITY B.PHARM - SEMESTER- 6 EXAMINATION – SUMMER -2020

Subject Name: Medicinal Chemistry III			Date:26-10-2020	
			Total Marks: 80	Marks: 80
1. 2. 3.	Make	npt any five questions. e suitable assumptions wherever necessary. uestion carry marks.		
Q.1	(a) (b)	Discuss various approaches used in drug design. Write brief note on Combinatorial Chamistry		6
	(b) (c)	Write brief note on Combinatorial Chemistry. What is QSAR? Give detailed note on Hansch model.		5 5
Q.2	(a)	Classify Antimalarial Agents with examples and structur	es.	6
	(b) (c)	Discuss SAR of Quinolines. Write note on concept and applications of Prodrugs.		5 5
Q.3	(a)	Differentiate terms with examples: Bacteriostatics & Bactericidals. Write SAR of Cephalosporins.		6
	(b)	Write short note on Chemistry of Aminoglycosides.		5
	(c)	Discuss Chemistry and advantages of Semisynthetic Penicilins.		5
Q.4	(a)	Comment on: "Tetracyclines should not be taken with milk". Write SAR of Tetracyclines.		6
	(b)	Give synthesis of Chloramphenicol and Chloroquine		5
	(c)	Write short note on Macrolides.		5
Q.5	(a)	What is MDR TB & XDR TB? Write a note on first-line	Anti TB drugs.	6
	(b)	Give synthesis of Isoniazid and Ciprofloxacin.		5
	(c)	Write short note on Quinolones.		5
Q.6	(a)	Explain in brief about Azoles as Antifungal Agents. Wri Tolnaftate.	brief about Azoles as Antifungal Agents. Write synthesis of 6	
	(b)	Explain SAR of Sulphonamides. Write synthesis of Sulp		5
	(c)	Give the IUPAC name, synthesis and mechanism of Albe Mebendazole, an anthelmintic agent.	endazole OR	5
Q.7	(a)	Write brief account on Antiamoebic Agents. Give synthe Metronidazole.	esis of	6
	(b)	Give synthesis of Trimethoprim and Nitrofurantoin		5
	(c)	Write detailed note on Antiviral Agents.		5