Seat No.: _____

Enrolment No._____

GUJARAT TECHNOLOGICAL UNIVERSITY B. Pharm. – SEMESTER – VII • EXAMINATION – SUMMER 2013

Subject Code: 270003Date: 21-05-2013Subject Name: Pharmaceutical Chemistry-IX (Medicinal Chemistry)Time: 02.30 am - 05.30 pmTotal Marks: 80Instructions:1. Attempt any five questions.2. Make suitable assumptions wherever necessary.3. Figures to the right indicate full marks.			
Q.1	(a) (b) (c)	Write SAR of estrogens and discuss various aromatase inhibitors Write a note on short acting sulphonamides Discuss various antileprotic agents and write synthesis of clofazimine	06 05 05
Q.2	(a) (b) (c)	Classify antimalarials and discuss quinoline antimalarials Write a note on immunosuppressants Write a note on azole antifungals	06 05 05
Q.3	(a) (b) (c)	Discuss SAR and degradation of penicillins Discuss alkylating agents as anticancers Write synthesis of chloroquine and ethambutol	06 05 05
Q.4	(a) (b) (c)	Discuss various first line antituberculer agents Discuss SAR of fluoroquinolones and write synthesis of ciprofloxacin Discuss the nomenclature and stereochemistry of steroids	06 05 05
Q.5	(a) (b) (c)	Write SAR of tetracycline and synthesis of chloramphenicol Write a note on reverse transcriptase inhibitors Write synthesis of mebendazole and methotrexate	06 05 05
Q. 6	(a) (b) (c)	Write a note on antithyroid drugs Write SAR and chemistry of macrolide antibiotics Discuss chemistry of adrenocorticoids	06 05 05
Q.7	(a) (b)	Write a note on anthelmintic agents Write chemical classification of oral hypoglycemic agents and discuss about sulfonyl ureas	06 05
	(c)	Write synthesis of methimazole and metformin *********	05