

Seat No.: _____

Enrolment No. _____

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

Subject Code: 270003

Date: 21-05-2013

Subject Name: Pharmaceutical Chemistry-IX (Medicinal Chemistry)

Time: 02.30 am - 05.30 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) Write SAR of estrogens and discuss various aromatase inhibitors	06
	(b) Write a note on short acting sulphonamides	05
	(c) Discuss various antileprotic agents and write synthesis of clofazimine	05
Q.2	(a) Classify antimalarials and discuss quinoline antimalarials	06
	(b) Write a note on immunosuppressants	05
	(c) Write a note on azole antifungals	05
Q.3	(a) Discuss SAR and degradation of penicillins	06
	(b) Discuss alkylating agents as anticancers	05
	(c) Write synthesis of chloroquine and ethambutol	05
Q.4	(a) Discuss various first line antitubercular agents	06
	(b) Discuss SAR of fluoroquinolones and write synthesis of ciprofloxacin	05
	(c) Discuss the nomenclature and stereochemistry of steroids	05
Q.5	(a) Write SAR of tetracycline and synthesis of chloramphenicol	06
	(b) Write a note on reverse transcriptase inhibitors	05
	(c) Write synthesis of mebendazole and methotrexate	05
Q. 6	(a) Write a note on antithyroid drugs	06
	(b) Write SAR and chemistry of macrolide antibiotics	05
	(c) Discuss chemistry of adrenocorticoids	05
Q.7	(a) Write a note on anthelmintic agents	06
	(b) Write chemical classification of oral hypoglycemic agents and discuss about sulfonyl ureas	05
	(c) Write synthesis of methimazole and metformin	05
