Seat No.: _____ Enrolment No._____

GUJARAT TECHNOLOGICAL UNIVERSITY

M. Pharm. – SEMESTER – III • EXAMINATION – WINTER • 2015

Subject Code: 930101 **Date: 08-12-2015**

Subject Name: Advanced Medicinal Chemistry

Time: 10:30 am - 01:30 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)**	Discuss the various targets for the anticancer activity	**06**
	(b)	Write a note on Interferon and Insulin	**05**
	(c)	Recent development in the treatment of hyperlipidemia	**05**
Q.2	**(a)**	Write a note Enzyme Immobilisation Technique.	**06**
	(b)	Give detail account on NSAID's	**05**
	(c)	Give detail account on hypertension	**05**
Q.3	**(a)**	Give detail account on Solid phase synthesis of peptides.	**06**
	(b)	Differentiate between split & mix and parallel combinatorial synthesis	**05**
	(c)	Give detail account on immunomodulators	**05**
Q.4	**(a)**	Discuss the SAR of fluoroquinolones and recent advances in this class.	**06**
	(b)	Write a short note on peptidomimetics.	**05**
	(c)	Give detail account on antiviral agents	**05**
Q.5	**(a)**	Give detail account on microbes for the synthesis of steroids	**06**
	(b)	Write a note on recent development in the anti-tubercular agent	**05**
	(c)	Write a note on somatostatin.	**05**
Q. 6	**(a)**	Discuss about recent development in the therapy of fungal infection.	**06**
	(b)	Write in detail about High Throughputs Screening (HTS).	**05**
	(c)	Give detail account on antimalarial agents	**05**
Q.7	**(a)**	Discuss about recent advances in agents used to treat alzheimer's disease	**06**
	(b)	Discuss the use of microbes for the synthesis of antibiotics.	**05**
	(c)	What do you mean by atherosclerosis?	**05**

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