Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

M. Pharm. – SEMESTER – III • EXAMINATION – WINTER • 2014

Date: 06-12-2014

Subject Code: 930105

	-	ect Name: Traditional Drugs : 10:30 am - 01:30 pm Total Marks: 80	
		ctions: 1. Attempt any five questions. 2. Make suitable assumptions wherever necessary. 3. Figures to the right indicate full marks.	
Q.1	(a)	What is chemotaxonomy? Explain principles of chemotaxonomy. Discuss chemotaxonomy of volatile oil in plants.	06
	(b)	Write down methods of isolation, purification and identification of Vinca alkaloids.	05
	(c)	Write down methods of isolation, purification and identification of Anthraquinones.	05
Q.2	(a)	Define Plant growth regulators. Classify them and explain in brief any two of them.	06
	(b) (c)	Write down identification, estimation and importance of Morphine. Write down identification, estimation and importance of Reserpine.	05 05
Q.3	(a) (b) (c)	What is Biodiversity? Write in detail about biodiversity conservation methods. Give Methods of isolation, estimation and importance of Quinine. Give Methods of isolation, estimation and importance of Diosgenin.	06 05 05
Q.4	(a)	Write a note on Herbal medicine information sources from books, journals and online databases.	06
	(b)	Write down estimation, conversion to useful derivatives and importance of Solasodine.	05
(c)	Write down estimation, conversion to useful derivatives and importance of Glycyrrhizin.	05	
Q.5	(a)	Write down important properties of plant growth regulators. Compare Auxin and Cytokinin for their plant growth regulating actions.	06
	(b) (c)	Write down conversion to useful derivatives and importance of Vinca alkaloids. Write down conversion to useful derivatives and importance of Anthraquinones.	05 05
Q. 6	(a) (b)	Write methods of identification, estimation and importance of Rutin. Write methods of isolation, purification and conversion to useful derivatives of Rutin.	06 05
	(c)	Write methods of isolation, purification and conversion to useful derivatives of Ephedrine.	05
Q.7	(a)	Write down distribution of volatile oil in plants. Write in detail about their importance in industry.	06
	(b)	Write down Methods of isolation, identification, estimation and importance of Picroside.	05
	(c)	Write down Methods of identification, estimation, conversion to useful	05

derivatives and importance of Vasicine.