Seat I	Vo.:	Enrolment No	
		GUJARAT TECHNOLOGICAL UNIVERSITY	
	I	M. Pharm. – SEMESTER – III • EXAMINATION – WINTER • 2015	
Subject Code: 930105		ode: 930105 Date: 08-12-2015	
•		ame: Traditional Drugs	
Time: 10:30 am - 01:30 pm		_	
	uctions	•	
	1. A	Attempt any five questions.	
		Make suitable assumptions wherever necessary.	
	3. F	Figures to the right indicate full marks.	
Q.1	(a)	Explain types of biodiversity and its importance in the economic development of country.	06
	(b)	Explain the different category of endangered plant and its importance.	05
	(c)	Explain different techniques used in conservation of medicinal Plants.	05
Q.2	(a)	Discuss the distribution of volatile oil and its commercial and pharmacological uses.	06
	(b)	Discuss principle and importance of chemotaxonomy in classification of crude	05
		drugs.	
	(c)	Describe chemotaxonomic significance of volatile oils in plants.	05
Q.3	(a)	Explain the application of auxin and cytokinin in growth of plants.	06
	(b)	Discuss in detail books, journal and online database - a source for herbal	05
		medicine information.	
	(c)	Give the different sources for anthraquinone glycoside and explain principle	05
		for extraction of sennoside.	
Q.4	(a)	Give the classification of rauwolfia alkaloids and explain isolation of	06
	(b)	reserpine. Explain the pharmacological uses and derivatives vasicine	05
	(c)	Discuss pharmacological importance of glycerrhiza and explain methods for	05
	(0)	estimation of glycerrhitinic acid.	•••
Q.5	(a)	Give the source and uses of glucoalkaloid and explain its isolation and	06
		estimation.	
	(b)	Write note on plant growth inhibitors.	05
	(c)	Define proto alkaloid and give the sources, isolation and pharmacological importance of ephedrine.	05

(b) Give the different structural types and pharmacological importance of flavonoids.

(c) Discuss isolation and estimation of rutin.

(a) Give the different sources of diosgenin and explain its isolation.

(b) Explain reverse pharmacology and its importance in drug discovery from

05

Give the isolation and estimation of picroside

Q. 6

(a)

traditional plants.

(c) Discuss isolation, pharmacological action and derivative of morphine.

(5) Explain reverse pharmacology and its importance in drug discovery from traditional plants.

(6) Use the first pharmacological action and derivative of morphine.

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