Seat No.: _____ Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

M. Pharm – SEMESTER III • EXAMINATION – WINTER-2016

Subject Code: 930105 **Date: 23/11/2016**
Subject Name: Traditional Drugs
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 role of ancient literature in Drug Discovery from medicinal plants.	**06**
	(b)	Comment: "An unknown herb can be the source of new drug molecule".	**05**
	(c)	Give an importance of biodiversity conservation in relation to medicinal plants.	**05**
Q.2	(a)	Explain with suitable examples, "Traditional medicinal plants contribute significantly in economic development of India".	**06**
	(b)	Describe various methods used for conservation of medicinal plants.	**05**
	(c)	Discuss the role of Gene Bank in conservation process.	**05**
Q.3	(a)	Give various sources for diosgenin and method for its isolation and conversion to pharmacologically important derivatives.	**06**
	(b)	Enumerate various tests to check the presence of anthraquinones in crude drug.	**05**
	(c)	Write down an isolated method of Ephedrine from ephedra plant?	**05**
Q.4	(a)	Describe any two analytical methods for estimation of sennosides in crude drug.	**06**
	(b)	Write method for isolation and identification of quinine.	**05**
	(c)	Make an account of sources for herbal medicine information.	**05**
Q.5	(a)	Discuss chemotaxonomy of volatile oil in medicinal plants.	**06**
	(b)	Write economic importance of volatile oil containing medicinal plants of India.	**05**
	(c)	Write about therapeutic importance of vasicine, its derivatives and chromatographic estimation in herbal preparations.	**05**
Q. 6	(a)	What are plant growth regulators? Classify them with suitable examples.	**06**
	(b)	Explain isolation method of an active constituent from "kadu".	**05**
	(c)	Describe method for estimation of glycyrrhizin in licorice.	**05**
Q.7	(a)	Write sources of morphine, its method of isolation, identification tests and its derivatives.	**06**
	(b)	Discuss isolation method of steroidal alkaloid and its medicinal significance.	**05**
	(c)	Discuss chromatographic estimation method for proven antihypertensive drug included in your syllabus.	**05**

****