Seat No.: _____ Enrolment No._____

GUJARAT TECHNOLOGICAL UNIVERSITY

M. PHARM. - SEMESTER – III • EXAMINATION – WINTER 2012

Subject code: 930105 **Date: 23/11/2012**

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)	Give source, identification test and pharmacological significance of Morphine, Solasodine and Glycyrrhizin.	**06**
	(b)	Discuss in detail books and online database - a source for herbal medicine information.	**10**
Q.2	(a)	Give brief note on *ex-situ* conservation.	**06**
	(b)	Write steps involved in isolation of Glycyrrhizin and Quinine.	**05**
	(c)	Enlist and discuss medicinally important derivatives of Anthraquinones.	**05**
Q.3	(a)	Discuss drug discovery from traditional medicinal plants of India.	**06**
	(b)	How traditional drugs are helpful in national economy.	**05**
	(c)	List and discuss endangered medicinal plants of India.	**05**
Q.4	(a)	Write isolation and estimation of Morphine.	**06**
	(b)	Give source, isolation and importance of Rutin.	**05**
	(c)	Write source, isolation and purification of Vasicine.	**05**
Q.5	(a)	Discuss on volatile oil based industry in India.	**06**
	(b)	Give role of volatile oil in modern medicine.	**05**
	(c)	Give note on chemotaxonomy of volatile oils.	**05**
Q. 6	(a)	Write brief pharmacological significance of Quinine, Reserpine and Picroside.	**06**
	(b)	What is biodiversity? Discuss it by providing suitable examples of herbal drugs.	**05**
	(c)	How journals are helpful for getting information on herbal medicine?	**05**
Q.7	(a)	List different sources for Diosgenin and write its isolation procedure.	**06**
	(b)	Give brief account on plant growth regulators.	**10**

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