Seat No.: _____ Enrolment No._____

GUJARAT TECHNOLOGICAL UNIVERSITY

M. Pharmacy Sem-II Examination July 2010

Subject code: 920105
Subject Name: Advanced Analytical Pharmacognosy

Date: 05 /07 /2010 **Time: 11.00 am – 02.00 pm**

Instructions: **Total Marks: 80**

1. **Attempt any five questions.**
2. **Make suitable assumptions wherever necessary.**
3. **Figures to the right indicate full marks.**

Q.1	(a)	Write on safety and efficacy of traditional preparations.	**06**
	(b)	What is toxicology? Write on toxicity testing in herbal drugs.	**05**
	(c)	Write on quality assessment for herbal medicines.	**05**
Q.2	(a)	What is standardization? Explain FDA protocol for standardization of herbal medicines.	**06**
	(b)	Write on standardization of Ayurvedic formulations giving suitable example.	**05**
	(c)	Write on safety of herbal medicines in terms of contaminant and herb-drug interaction.	**05**
Q.3	(a)	Classify marine Pharmacognosy and write brief account on marine toxins.	**06**
	(b)	Anti-microbial and cardiovascular agents from marine.	**05**
	(c)	Anti-cancer moiety from marine.	**05**
Q.4	(a)	Describe Mutagenecity and Teratogenecity.	**06**
	(b)	Explain *'Tri-dosha'* theory in Ayurveda.	**05**
	(c)	Differentiate *Grita* and *Taila* and describe its standardization.	**05**
Q.5	(a)	Enumerate Ayurvedic formulations and differentiate *Aristha* and *Ashava.* Describe standardization parameters according to Ayurvedic Pharmacopoeia.	**06**
	(b)	Herbal drug regulation in India.	**05**
	(c)	Write brief note on Schedule –T.	**05**
Q. 6	(a)	Write on Alternative System of Medicine and scope of Ayurveda.	**06**
	(b)	Enlist standardization parameters for herbal drug and explain any two of it.	**05**
	(c)	ICH guideline for stability testing.	**05**
Q.7	(a)	WHO guide line for standardization of Ayurvedic formulation.	**06**
	(b)	Factors affecting stability of herbal formulations.	**05**
	(c)	What is stability of herbal drugs? Enlist types of stability and explain physical stability of herbal drugs.	**05**

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