Seat No.: _____ *Enrolment No._____*

GUJARAT TECHNOLOGICAL UNIVERSITY

M. Pharm. Semester – IIND Examination –June/July- 2011

Subject code :920105

Subject Name :Advanced Analytical Pharmacognosy

Date:01/07/2011 **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)**	What is standardization ? Enumerate WHO's guidelines on quality control for medicinal plant materials.	**06**
	(b)	Discuss significance & standard for Total Viable Aerobic Counts in medicinal plant materials.	**05**
	(c)	Describe briefly detection of Alfatoxins in plant drug.	**05**
Q.2	**(a)**	Describe Mutagenicity and Teratogenicity.	**06**
	(b)	What is pesticide residue ? Explain estimation of Total organic phosphrous in plant drug.	**05**
	(c)	Write brief note on Schedule T	**05**
Q.3	**(a)**	Define Marine Pharmacognosy. Classify it citing suitable examples.	**06**
	(b)	Write suitable note on antibiotic drugs of Marine Pharmacy	**05**
	(c)	Explain anticancer drugs occurring from Marine.	**05**
Q.4	**(a)**	Enlist different dosage form of Ayurvedic formulations. Give formulation of Asava and Aristha and difference betweem them.	**06**
	(b)	Describe standardization parameters as per Ayurvedic Pharmacopoeia.	**05**
	(c)	Write on safety & efficacy of traditional preparations	**05**
Q.5	**(a)**	Define stability study. Give ICH guidelines for stability testing.	**06**
	(b)	Explain factors affecting stability of herbal formulations	**05**
	(c)	Discuss technical limitations while performing stability testing of herbal products.	**05**
Q.6	**(a)**	Write a note on obtaining license for manufacturing Ayurvedic and other drugs of traditional origin.	**06**
	(b)	Explain label requirements of herbal product as per FDA regulations.	**05**
	(c)	What safety measures are to be taken for establishment of herbal manufacturing units ?	**05**
Q.7	**(a)**	Differentiate between Ghrita and Taila and discus their standardization profile as per Ayurvedic text.	**06**
	(b)	Write note on Alternative System of Medicine .	**05**
	(c)	Give salient feature of Herbal drug regulation in India	**05**

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