Seat No.: _____ Enrolment No._____

GUJARAT TECHNOLOGICAL UNIVERSITY

M. Pharm. – SEMESTER – II • EXAMINATION – WINTER • 2014

Subject Code: 2920105 **Date: 24-12-2014**

Subject Name: Advanced Analytical Pharmacognosy

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)**	Write a note on fingerprinting of crude drugs.	**06**
	(b)	Discuss the significance of Phytoequivalence in standardization of herbal drugs.	**05**
	(c)	Write a note on different systems of traditional medicines.	**05**
Q.2	**(a)**	Discuss various aspects to be considered for the stability of herbal products.	**06**
	(b)	Write a note on factors influencing the efficacy of herbal products.	**05**
	(c)	WHO guidelines for regulation of herbal medicines.	**05**
Q.3	**(a)**	Anti cancer and anti inflammatory agents from marine source.	**06**
	(b)	Define Asava and Aristha. Write parameters for their standardization.	**05**
	(c)	What is shelf life? Give method of its determination.	**05**
Q.4	**(a)**	Enlist the quantitative parameters to be evaluated for a leaf drug.	**06**
	(b)	Write a note on determination of Ash value and its significance in standardization of plant drugs.	**05**
	(c)	Give difference between standardized herbal preparations and quantified herbal preparations.	**05**
Q.5	**(a)**	Write a note on significance of Hazard Analysis and Critical Control Point in production of herbal medicines	**06**
	(b)	Write a note on herb drug interactions.	**05**
	(c)	Write a note on Pharmacovigilance.	**05**
Q. 6	**(a)**	Write a note on The Dietary Supplement Health and Education Act (DSHEA).	**06**
	(b)	Discuss various aspects of safety and toxicity of herbal drugs.	**05**
	(c)	Discuss tools to deal with instability in natural products.	**05**
Q.7	**(a)**	Importance of using Sequence Characterized Amplified Region (SCAR) markers for authentification of crude drugs	**06**
	(b)	Enlist solid dosage forms of Ayurveda. Discuss standard parameters for evaluating them.	**05**
	(c)	Discuss microbial contamination in herbal drugs.	**05**

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