Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

B. Pharm. - SEMESTER - III • EXAMINATION - WINTER • 2014

Subj	ject	Code: 2230006 Date: 31-12-2014	
		Name: Pharmacognosy - I	
		0:30 am - 01:30 pm Total Marks: 80	
Instr			
	2.	Attempt any five questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.	
Q.1	(a) (b)	Define adulteration and evaluation of crude drugs. Explain in detail microscopic evaluation of crude drugs. Write functions of leaf. Give types of apex and margin of the leaf with diagram.	06
	(c)	What is pharmacognosy? Describe in brief about scope and development of pharmacognosy.	05
Q.2	(a)	What is root? Write functions of root. Discuss modification of it for storage of food.	06
	(b) (c)	Define phytoconstituent. Give chemical tests for tannins and alkaloids. Write biological source, preparation, chemical tests and uses of Honey.	05 05
Q.3	(a)	Define crude drug. Enlist various sources of crude drugs giving suitable examples. Discuss the on tissue culture as a source of crude drug.	06
	(b) (c)	Discuss physical evaluation of crude drugs. Write biological source, chemical constituents, uses of Iasbgol and guar gum.	05 05
Q.4	(a) (b)	therapeutic classification with it's merits and demerits.	06 05
	(c)	Differentiate fixed oil and volatile oil.	05
Q.5	(a) (b)	Write a brief note on Polyploidy and Mutation. Describe the chemical tests for detection of following oils as an adulterant: (Contagnail ii) Lincold oil iii) Korani oil iii) Sagara oil vi) Cotton good oil	06 05
	(c)	i)Castor oil ii) Linseed oil iii) Karanj oil iv) Sesame oil v) Cotton seed oil Write a note on preparation and uses of castor oil.	05
Q. 6	(a) (b) (c)	Write a brief note on classification of fruit. Write a note on plant hormones and their applications. What are the advantages of cultivation of crude drugs? Enlist the factors affecting cultivation.	06 05 05
Q.7	(a)	Differentiate the followings i) monocot and dicot stem ii) monocot and dicot seed	06
	(b) (c)	Write a detailed note on Indian gum. Describe in brief on fertilizers and manures used in cultivation.	05 05
