Seat No.: _____ Enrolment No._____

GUJARAT TECHNOLOGICAL UNIVERSITY

D.Ph. - SEMESTER– I• EXAMINATION – SUMMER 2013

Subject Code: 410003 **Date: 15-05-2013**

Subject Name: 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)**	Define Pharmacognosy. Write a note on history and scope of Pharmacognosy.	**06**
	(b)	What are Adulterants? Discuss different methods of evaluation of crude drugs.	**05**
	(c)	Write the difference between Pale catechu and Black catechu.	**05**
Q.2	**(a)**	Define Crude drugs. Explain chemical and therapeutic classification of crude drugs with suitable examples, merits and demerits.	**06**
	(b)	Write a note on Pharmaceutical aids.	**05**
	(c)	Draw and describe morphology and microscopy of Datura leaf.	**05**
Q.3		Write a note on following:	
	(a)	A drug used in deficiency of vitamin C.	**06**
	(b)	General characters of Umbelliferous fruits.	**05**
	(c)	Adulteration of Clove bud.	**05**
Q.4	**(a)**	Write the difference between Ceylon cinnamon bark and Chinese cinnamon bark	**06**
	(b)	Write a note on Perfumery and flavouring agents.	**05**
	(c)	Describe the following chemical tests and give name, botanical source, family and uses of crude drugs which give these tests positive. i) Combined umbelliferone test ii) Thalleioquin test	**05**
Q.5	**(a)**	Write source, family, macroscopic characters, chemical constituents and uses of Rauwolfia.	**06**
	(b)	Write a note on Enzymes.	**05**
	(c)	Define Antirheumatics. Give the pharmacognostical account of any one drug used as antirheumatic.	**05**
Q. 6	**(a)**	Discuss pharmacognosy of Senna leaf.	**06**
	(b)	Define Volatile oils. Write the difference between volatile oil and fixed oil.	**05**
	(c)	What are Surgical dressings? Classify surgical fibres. Differentiate silk and wool by their chemical tests.	**05**
Q.7	**(a)**	Define and classify Alkaloids. Write general chemical tests for their identification in crude drugs.	**06**
	(b)	Write a note on antidiabetic drugs from natural sources.	**05**
	(c)	Write source, family, macroscopic characters, chemical constituents and uses of Garlic and Tobacco.	**05**

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