Seat No.: _____ Enrolment No._____

GUJARAT TECHNOLOGICAL UNIVERSITY

DIPLOMA PHARMACY – SEMESTER – I-EXAMINATION – WINTER 2015

Subject Code: 410003 **Date: 08/12/2015**

Subject Name: Pharmacognosy

Time: 10:30 AM TO 1:30 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. Discuss in detail history and scope of Pharmacognosy.	**06**
	(b)	Enlist different method of classification of crude drugs. Describe in detail pharmacological classification.	**05**
	(c)	Write a note on physical evaluation of crude drugs.	**05**
Q.2	**(a)**	Define adulteration. Discuss different method of adulteration.	**06**
	(b)	Define and classify alkaloids with examples.	**05**
	(c)	Write short note on glycosides.	**05**
Q.3	**(a)**	Write a short note on ispaghula.	**06**
	(b)	Write biological source, family, chemical constituents, uses and chemical tests of digitalis.	**05**
	(c)	Write note on adulteration of clove.	**05**
Q.4		Differentiate the followings	
	(a)	T.S. of fennel & T.S. of coriander	**06**
	(b)	Pale catechu & Black catechu	**05**
	(c)	Indian colchicum & European colchicum	**05**
Q.5	**(a)**	Write biological source, family, chemical constituents and uses of following drugs (Any three) (i) Nuxvomica (ii) Belladona (iii) Vasaka (iv) Vinca (v) Rauwolfia	**06**
	(b)	Write a note on antidysentric drugs.	**05**
	(c)	Draw and label microscopy of senna leaf.	**05**
Q. 6	**(a)**	Describe the following chemical test and give name of drug which gives this test positive (i) Thalleoquin test (ii) Combined umbeliferon test (iii) Vitali-morin test	**06**
	(b)	Write short note on enzymes.	**05**
	(c)	Describe life cycle of ergot.	**05**
Q.7	**(a)**	Discuss Pharmacognosy of liquorice.	**06**
	(b)	Write short note on pharmaceutical aids.	**05**
	(c)	Write pharmacognostic note on cotton and silk.	**05**

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