Seat No.: En	nrolment No
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Subject Code: 410003

GUJARAT TECHNOLOGICAL UNIVERSITY

DIPLOMA PHARMACY - SEMESTER-I • EXAMINATION-SUMMER • 2014

Date: 26-05-2014

•	e: 10	Name: Pharmacognosy 0:30 am - 01:30 pm Total Marks: 80 ons:		
	1. 2.	Attempt any five questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.		
Q.1	(a) (b) (c)	Write detailed note on identification tests and isolation of alkaloids. Define Adulteration. Describe different methods of adulteration in detail.		
Q.2	(a)(b)	glycoside.		
Q.3	(a) (b)	Write short note on Umbelliferous fruits. Give the morphological and microscopical characters for the followings: (Any five) i. Senna ii. Datura iii. Clove iv. Vinca v. Coriander vi. Nux vomica	10	
Q.4	(a)(b)(c)	Differentiate the followings: (Any two) i. Black & Pale Catechu ii. Ceylon & Chinese Cinnamon iii. Organized & Unorganized drugs Discuss the complete pharmacognosy of any one drug containing Tropane alkaloid OR Quinazoline group of alkaloid. Write detailed note on Ergot with its life cycle.	06	
Q.5	(a) (b)	Write short note on the followings: (Any two) i. Antitussives ii. Antimalarials iii. Antidysenterics Give Biological source, Family, Chemical constituents & Uses for the following drugs: (Any five) 1. Withania 2. Picrorrhiza 3. Ephedra 4. Satavari 5. Dioscorea 6. Garlic	10	
Q. 6	(a) (b)	Discuss in detail about physical and chemical evaluation of crude drugs. Give chemical tests and uses for the followings: (Any five) i. Siam benzoin ii. Asafoetids iii. Aloe iv. Nux vomica v. Agar vi. Myrrh	0 <i>6</i>	
Q.7		Write detailed note on the followings: (Any four) I. Bulk laxatives II. Essential oils III. Tannins IV. Sutures and ligatures V. Oleo-gum-resins **********************************	16	