GUJARAT TECHNOLOGICAL UNIVERSITY B. Pharm. – SEMESTER – V • EXAMINATION – WINTER • 2014

	•	ect Code: 250006 ect Name: Pharmacognosy - IV	Date: 08-12-2014	
	Time	: 10:30 am - 01:30 pm ctions:	Total Marks: 80	
		 Attempt any five questions. Make suitable assumptions wherever Figures to the right indicate full man 		
Q.1	(a) (b)	Give the biogenesis of any one phenathre Describe biosynthetic pathway for pheny	• •	06 05
	(b) (c)	Define alkaloids and describe their prope		05 05
Q.2	(a)) Describe in detail the saprophytic production of an ergot with its merits and demerits.		06
	(b)	Give morphological and microscopical cl	naracters of Hemlock fruit.	05
	(c)	Describe the processing of different categories		05
Q.3	(a)	Give the morphological difference between four species of Cinchona and differentiate the stem bark and root bark.		
	(b)			05
	(c)	Write chemical constituents and uses of t steroidal lactone.	ropane alkaloid containing drug with	05
Q.4	(a)	i. Chhota chand & Bada Chand		06
		ii.Strychnos nuxvomica & Strychnos poto		
	(b)			05
	(c)	Write a note on "Substituent of Ipecacua	nha''	05
Q.5	(a)	6		06
		i. Aconine is more toxic than aconitine.ii. Jaborandi leaves should be used withi	n 2 years.	
		iii. Colchicine is basic in nature.	•	
	(b)	Describe in detail pharmacognosy of quin labeled diagrams.	azoline containing drug with well	05
	(c)	Write in detail on drug used in amoebic d	ysentry.	05
Q. 6	(a)	Compare the morphological characters of		06
	(b)	Write Biological source, family, chemica patti.	l composition and toxicity of sag-angur	05
	(c)	Explain the concept of stereochemistry w products.	ith suitable examples of natural	05
Q. 7	(a)	Write a brief note on tracer technique.		06
	(b)	Differentiate the Egyptian Henbane and I morphological and microscopical charact	-	05
	(c)	Write a note on Indian Tobacco.		05