Seat No.:	Enrolment No

## **GUJARAT TECHNOLOGICAL UNIVERSITY**

**B. PHARM. - SEMESTER – IV • EXAMINATION – WINTER 2012** 

Subject code: 240006 Date: 05/01/2013

**Subject Name: Pharmacognosy-III** 

Time: 02.30 pm - 05.30 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)	Write difference between Cardenolides and Bufadienolides with suitable example.	06
	(b)	Discuss Biological source & active chemical constituents of a seed drug containing cardiac principle.	05
	(c)	Discuss Common Name, Biological Source, Family, Chemical constituents with	05
0.4	(.)	chemical structure, Uses & Adulterants of Digitalis purprea & Digitalis lanata.	0.0
<b>Q.2</b> (a)	(a)	Define Saponins. Enumerate any three drugs containing saponins.	06
	(b)	Write biological names, chemical constituents & uses of any one. Write biological source, family & Draw neat & labeled transverse section diagram	05
	(0)	of Glycerrhiza roots.	US
	(c)	Write common name, biological source, family chemical constituents with	05
	` ´	chemical and uses of Dioscorea.	
Q.3	(a)	Define Enzyme & Give the pharmaceutical uses of enzymes with suitable example.	06
	(b)	Give sources, method of preparation, properties and therapeutic	05
		Importance of Diastase enzyme.	
	(c)	Enumerate any one drug with its biological source belonging to proteolytic and	05
		lipolytic type enzymes from the syllabus.	
Q.4	(a)	Differentiate Indian Senna and Alexandrian Senna with suitable diagram &	06
	(1-)	examples.	05
	(b)	Write common name biological source, chemical constituents with chemical structure and uses of Rhubarb rhizome.	05
	(c)	Describe biological source & chemical tests by which you can differentiate the	05
		commercial varieties of Aloes.	
	(a)	Define coumarins. Discuss their therapeutic applications with suitable examples.	06
Q.5	(b)	Write a short note on pharmacognostic study of Psorolea fruits.	05
	(c)	Discus biological source, chemical constituents with chemical structure and uses of	05
		Cyanogenetic glycoside.	
Q. 6	(a)	Discuss general chemical tests for all glycosides with suitable example.	06
	(b)	Write common name, biological source, chemical constituents and uses of <i>Ammi majus</i> .	05
	(c)	Discuss biological source, family, chemical constituents & chemical test for a drug	05
	(0)	which contains isothiocynate glycosides.	UJ
Q.7	(a)	Write biological source, family chemical constituents and uses of Sarsaparilla and	06
	()	Chirata	
	(b)	Discuss with suitable diagram pharmacognostical character of Rutagraveolens.	05
	(c)		05
		Write common name, biological source, chemical constituents and uses of	
		Kalmegh.	

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