Seat N	o.:	Enrolment No		
	GU	JJARAT TECHNOLOGICAL UNIVERSITY CMESTER – IV (OLD Syllabus) • EXAMINATION – SUMMER • 2	2015	
Subje	ect Cod	•	Date: 10-06-2015	
Time	: 10:30 ctions: 1. Att 2. Ma	tempt any five questions. Aske suitable assumptions wherever necessary. Sures to the right indicate full marks.	: 80	
Q.1	(a) (b) (c)	Define and classify Glycosides with suitable examples. Differentiate steroidal saponins and pentacyclic triterpenoid saponins. Discuss identification tests for Saponin glycosides.	06 05 05	
Q.2	(a) (b) (c)	Write a short note on anthraquinone glycosides. Differentiate cardenolides and bufadienolides. Give hydrolysis products of purpurea glycoside A and purpurea glycoside B.	06 05 05	
Q.3	(a) (b) (c)	Write a pharmacognostic note on Liquorice. Write a short note on Rutagraveolens. Write biological source, chemical constituents and uses of Linseed.	06 05 05	
Q.4	(a) (b) (c)	Discuss in detail the transverse section of Chirata stem. Describe commercial varieties of Aloe. Write biological source, preparation and uses of Papain.	06 05 05	
Q.5	(a) (b) (c)	Draw a neat labeled T.S. of Senna leaf. Write the adulterants and substitutes of Senna leaf. Write biological source, chemical constituents and uses of Kalmegh. Write a short note on Amylase.	06 05 05	

Enumerate proteolytic enzymes and write identification test for

Write a pharmacognostic note on Sarsaparila.

Discuss the phytoconstituents and uses of Ginseng.

Define and classify Enzymes with suitable examples.

Discuss identification test for anthraquinone cathartics and

Discuss the pharmacognosy of a drug containing isothiocyanate

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Q. 6

Q. 7

(a)

(b)

(c)

(a)

(b)

(c)

pepsin.

glycoside.

cyanogenetic glycosides.