Seat I	No.: _	Enrolment No	
		GUJARAT TECHNOLOGICAL UNIVERSITY	
	B.PF	IARM – SEMESTER – VII • EXAMINATION – WINTER – 2015	
		Code: 2270005 Date: 14/12/2015	
•		Name: Pharmacognosy - V	
_		.30 AM to 1.30 PM Total Marks: 80	
Insti			
		empt any five questions.	
		ke suitable assumptions wherever necessary.	
3.	Fig	ures to the right indicate full marks.	
Ο 1	(a)	Classify and discuss non seacharide sweeteners of plant origin	06
Q.1	(a) (b)	Classify and discuss non-saccharide sweeteners of plant origin.  Discuss toxicological risk of toxalbumins and pyrrolizidine alkaloids.	05
	(c)	Write a note on natural allergens.	05
0.2			06
Q.2	(a) (b)	Write in detail about acetate malonate pathway.  Give biogenesis of Omega-3 fatty acid, eicosapentaenoic acid.	05
	(c)	Write source and importance of alpha hydroxyl acids and fixed oils used in skin	05
	. ,	care and hair care.	
Q.3	(a)	Write in detail about plants used under the name of Shankhpushpi.	06
<b>(</b>	<b>(b)</b>	Give detail information of crude drug useful in the treatment of Parkinson's	05
		disorders.	
	<b>(c)</b>	Write in detail about mycotoxins.	05
<b>Q.4</b>	(a)	Write in detail about shikimic acid pathway.	06
	<b>(b)</b>	Discuss role of PUFA and carotenoids as neutraceuticals.	05
	<b>(c)</b>	Write a note on photosensitizing agents.	05
Q.5	(a)	Write a note on method of preparation of Asava and Aristha. Discuss the	06
		parameters for evaluation of these Ayurvedic formulations.	
	<b>(b)</b>	Give method of preparation of Bhasma. Discuss the standardisation of Bhasma.	05
	(c)	Write a note on principles of Ayurvedic and Siddha systems of medicines.	05
<b>Q.</b> 6	(a)	Enlist the alkaloids derived from tyrosine. Write in detail about biosynthesis of	06
	<b>(b)</b>	a phenanthrene alkaloid with benzylisoquinoline backbone.	05
	(b) (c)	Write in detail about biosynthesis of ephedrine. Write in detail about Shilajit.	05 05
o <b>-</b>			
Q.7	(a)	Write in detail about biosynthesis of glycyrrhetinic acid.  Give detail information of grade drugs used in the treatment of inflammatory.	06 05
	<b>(b)</b>	Give detail information of crude drugs used in the treatment of inflammatory diseases.	US
	(c)	Write a note plant sources used as pesticides and herbicides.	05

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