GUJARAT TECHNOLOGICAL UNIVERSITY M.PHARM - SEMESTER–II • EXAMINATION – SUMMER-2016 Subject Code:2920205 Date: 21/05/2016 Subject Name: ADVANCES IN PHARMACEUTICAL SCIENCES				
			Fotal Mar	·ks: 80
Instru		t one fine succetions		
		t any five questions. uitable assumptions wherever necessary.		
		to the right indicate full marks.		
Q.1	(a)	Write a note on brain tonics of plant source.		06
Q.I	(b)	Discuss pesticides of plant origin.		05
	(c)	Write a detailed note on digitalis and its substitutes.		05
Q.2	(a)	Write in detail about anti-diabetic drugs from natural source.		06
	(b)	Discuss anti-lipidemic drugs from natural source.		05
	(c)	Discuss flavanoids as anti-AIDS agents.		05
Q.3	(a)	Write in detail about mechanism of action of taxol in preve cancer and essential structural features for the anti-cancer act		06
	(b)	Write novel drugs used as diuretic with one screening model.		05
	(c)	What are urolithetics? Explain it with suitable example.		05
Q.4	(a)	Write a note on role of chromatographic techniq phytochemical screening of herbal drugs.	ues in	06
	(b)	Describe methods for pharmacological screening of Andrugs.	nti-ulcer	05
	(c)	Write chemical tests for the followings (1) Alkaloids (2) tannins		05
Q.5	(a)	Mention the naturally occurring anti-oxidants with their sour mechanism of actions.	ces and	06
	(b)	Give tests for saponins. Write about hemolytic index ar index.	nd froth	05
	(c)	Define nutraceuticals. Classify it with suitable examples.		05
Q. 6	(a)	Describe methods for pharmacological screenir Antiinflammatory drugs.	ng of	06
	(b)	Discuss the role of probiotics and prebiotices of natural sou nutraceuticals.	rce as a	05
	(c)	Discuss various PUFA of natural origin, enlist their sour write about their importance.	ces and	05
Q.7	(a)	Enlist the antimalarials obtained from plant sources and Cinchona as an anti-malarial drug in detail.	explain	06
	(b)	Write a note on any one hepatoprotective drug apart from <i>marianum</i> .	Silybum	05
	(c)	Write a note on natural immunomodulators.		05