Seat N	lo.:	Enrolment No.	Enrolment No	
		GUJARAT TECHNOLOGICAL UNIVER		
		M.PHARM- SEM-II-EXAMINATION – JULY 20		
Subi	ect cod		Date: 09/07/2012	
-		me: Advances in Pharmaceutical Science		
Time: 10:30 am – 01:30 pm Instructions:			Total Marks: 80	
		-	. Otal Walks. Ov	
1. 2.		pt any five questions. suitable assumptions wherever necessary.		
		es to the right indicate full marks.		
J.	riguit	s to the right indicate fun marks.		
Q.1	(a)	Enlist various brain disorders and give the detail of plants ar	nd 06	
	. ,	phytoconstituents for brain tonic activity.		
	(b)	Write short note on diuretic plants.	05	
	(c)	Give the detail of phytoconstituents as hepatoprotective.	05	
Q.2	(a)	Explain the mechanism of action of following drugs as an	06	
		anticancer.		
		1. Vincristine		
		2. Camptothecin		
	(b)	3. Etoposide Define and classify nutraceuticals with suitable examples.	05	
	(c)	Write brief note on polyunsaturated fatty acid as nutraceutic		
Q.3	(a)	Enlist the various plants for antidiabetic activity and give its		
	(47)	biological source and chemical constituents.	• •	
	(b)	Explain the different models for screening of antioxidant act	ivity. 05	
	(c)	Classify the cardiac glycoside with suitable examples and ex	xplain 05	
		the mechanism of action of cardiac glycoside.		
Q.4	(a)	Explain the differentiating chemical tests between following	g 06	
		phytoconstituent.		
		1. Cardenolide and bufadienolide		
		2. Steroidal saponin and triterpenoid saponin		
	(b)	3. O- glycoside and C- glycoside Write short note on Guggul	05	
	(b) (c)	Explain the importance of thin layer chromatography in plar		
	(0)	analysis.	it drug U S	
Q.5	(a)	Write brief note on Curcumin and Digoxin	06	
₹	(b)	Define pesticide and explain the methods for pest control.	05	
	(c)	Give the detail of secondary metabolites of plant for pesticion		
Q. 6	(a)	Explain immunomodulating activity of Galo and Ashwagane		

05

05

06

05

05

Discuss various phytoconstituents used for HIV infection.

Explain the importance of Soya product for the health benefit.

Explain the mechanism of action of Artemisin for anti-malarial

Enlist the different models for evaluation of antiulcer and anti-

Explain phytochemical screening of Alkaloid, Flavonoid and Tannin

(b)

(c)

(a)

(b)

(c)

activity.

inflammatory activity.

Q.7