Seat No.: \_\_\_\_\_

Enrolment No.\_\_\_\_

## **GUJARAT TECHNOLOGICAL UNIVERSITY**

## EVAMINATION TUL V 2012

M.PHARM- SEM-II–EXAMINATION – JULY 2012			
Subje	Subject code: 2920205 Date: 09/		
Subject Name: Advances in Pharmaceutical Science			
Time: 10:30 am – 01:30 pm Total Ma			arks, 80
-			
Instructions:			
		pt any five questions.	
2. Make suitable assumptions wherever necessary.			
3.	Figure	s to the right indicate full marks.	
Q.1	(a)	Enlist various brain disorders and give the detail of plants and	06
Q.1	(a)	phytoconstituents for brain tonic activity.	00
	(b)	Write short note on diuretic plants.	05
	(c)	Give the detail of phytoconstituents as hepatoprotective.	05
Q.2	(e) (a)	Explain the mechanism of action of following drugs as an	06
<b>~·</b> =	(u)	anticancer.	00
		1. Vincristine	
		2. Camptothecin	
		3. Etoposide	
	(b)	Define and classify nutraceuticals with suitable examples.	05
	(c)	Write brief note on polyunsaturated fatty acid as nutraceuticals.	05
Q.3	(a)	Enlist the various plants for antidiabetic activity and give its	06
-		biological source and chemical constituents.	
	(b)	Explain the different models for screening of antioxidant activity.	05
	(c)	Classify the cardiac glycoside with suitable examples and explain	05
		the mechanism of action of cardiac glycoside.	
Q.4	(a)	Explain the differentiating chemical tests between following	06
		phytoconstituent.	
		1. Cardenolide and bufadienolide	
		2. Steroidal saponin and triterpenoid saponin	
	<b>4</b> \	3. O- glycoside and C- glycoside	a <b>-</b>
	(b)	Write short note on Guggul	05
	(c)	Explain the importance of thin layer chromatography in plant drug	05
05	(a)	analysis. Waite brief note on Communic and Discovin	06
Q.5	(a)	Write brief note on Curcumin and Digoxin	06 05
	(b)	Define pesticide and explain the methods for pest control. Give the detail of secondary metabolites of plant for pesticide.	05 05
Q. 6	(c) (a)	Explain immunomodulating activity of Galo and Ashwagandha.	03 06
Q. U	(a) (b)	Discuss various phytoconstituents used for HIV infection.	00
	(c)	Explain the importance of Soya product for the health benefit.	05
Q.7	(c) (a)	Explain the importance of Soya product for the health benefit. Explain phytochemical screening of Alkaloid, Flavonoid and Tannin	05
···	(b)	Explain phytochemical screening of Artanisi, Flavonoid and Familia Explain the mechanism of action of Artemisin for anti-malarial	05
		activity.	
	(c)	Enlist the different models for evaluation of antiulcer and anti-	05
	(-)	inflammatory activity.	
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