Seat No.:	Enrolment No.
Scat 110	Em official 140.

GUJARAT TECHNOLOGICAL UNIVERSITY

B.Pharm Sem-VI Regular Examination May 2011

Subject code: 260006 Subject Name: Pharmacognosy-v (Plant Bio Technology) Time: 10.30a.m. – 01.30 p.m. Date:26/05/2011 Total Marks: 80

Instructions:

- Attempt any five questions.
 Make suitable assumptions wherever necessary.
 Figures to the right indicate full marks.

Q-1	(a)	Define Plant tissue culture. Describe general technique and nutrient requirement of it.	06
	(b)	How the callus tissue is formed? Write significance of it.	05
	(c)	What is cryopreseravation? Mention its importance.	05
Q-2	(a)	What are Immunomodulator drugs? Name the drugs coming in this category. Write pharmacognosy of a fruit drug of this category.	06
	(b)	Write production of shilajit.	05
	(c)	Draw and describe T.S. of Arjuna bark.	05
Q-3	(a)	Define Terpenoids. Write classification, occurrence and properties of them.	06
	(b)	Write biogenesis and chemistry of menthone.	05
	(c)	Write source and chemistry of carvone.	05
Q-4		Write B.S., family, C.C. and uses of	
	(a)	Apamarg	06
	(b)	Chitrak	05
	(c)	Malkangni	05
Q-5		Write in short about-	
	(a)	Dhatakipushpa	06
	(b)	Oleanolic acid	05
	(c)	Odorosides	05
Q-6		Explain the followings-	
	(a)	Elicitation	06
	(b)	Plant cell immobilization	05
	(c)	Biotransformation	05
Q-7		Write in brief about-	
	(a)	Corn oil and methi used as health food	06
	(b)	Naturally occurring antioxidants and its mechanism of action	05
	(c)	Phytopharmaceuticals and Nutraceuticals ***********************************	05