

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

BPHARM – SEMESTER II • EXAMINATION – WINTER - 2013

Subject code: 220005

Date: 27-12-2013

Subject Name: Pharmacognosy-I

Time: 10:30 am to 01:30 pm

Total Marks: 80

Instructions:

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

Q-1	(a)	Define seeds. Explain different parts of it. Mention various types of seeds.	6
	(b)	Which types of outgrowth are seen in seeds?	5
	(c)	Draw and describe histology of Dicot leaf.	5
Q-2	(a)	Describe different intrinsic factors which affect cultivation of plants.	6
	(b)	Write about different types of soil.	5
	(c)	Explain – Classification of drugs.	5
Q-3	(a)	What are gums? Write pharmacognosy of Acacia gum.	6
	(b)	Write method of preparation of Agar.	5
	(c)	How honey is prepared by honeybees? Write its chemical test and uses.	5
Q-4	(a)	How will you differentiate fixed oil, fats and waxes? Write a pharmacognosy of Cod liver oil.	6
	(b)	Write analytical parameters for oils and fats.	5
	(c)	Give method of preparation of medicinal castor oil.	5
Q-5	(a)	Write - Underground modification of stems.	6
	(b)	What are the different types of stipules?	5
	(c)	Mention plant tissue culture as a source of drug.	5
Q-6		Write a note on:-	
	(a)	Aestivation of flower.	6
	(b)	Venation of leaf	5
	(c)	Polyploidy	5
Q-7	(a)	Write in detail – Racemose in florescenae	6
	(b)	What are the different regions of the root?	5
	(c)	Mention different plant growth regulators.	5
