Seat No.:	Enrolment No
GUJARAT TECHNO	LOGICAL UNIVERSITY

BPHARM – SEMESTER II • EXAMINATION – SUMMER • 2014 Subject code: 220005 Date: 04-06-2014

Subject Name: Pharmacognosy-I

Time: 02:30 pm - 05:30 pm Total Marks: 80

Instructions:

1.	Attem	ot anv	five o	questions

- 2. Make suitable assumptions wherever necessary.
- 3. Figures to the right indicate full marks.

Q.1	(a)	Define carbohydrates. Write classification of it with suitable examples. How Honey is prepared by Honeybee?	06
	(b)	Write source, method of preparation and uses of Agar.	05
	(c)	Write B.S., C.C. and uses of Coca butter, guar gum, and Acacia	05
	(C)	While B.S., C.C. and uses of Coca butter, guar guin, and Acacia	U
Q.2	(a)	Write about different shapes of bark and leaf.	06
	(b)	Define Seed. What are different outgrowths seen on the seed.	05
	(c)	Draw and compare T.S. of monocot and dicot stem.	05
Q.3	(a)	What is plant tissue culture? What are the advantages of it. Explain different requirement for it.	06
	(b)	Define and classify fruits with suitable examples.	05
	(c)	Write methods of preparation of different starches.	05
Q.4	(a)	Write modification of stem with suitable example.	06
	(b)	What do you understand by adulteration?	05
	(c)	Write a note on – Aestivation of corolla and calyx.	05
Q.5	(a)	Write a note on – Plant hormones.	06
	(b)	Write pharmacognosy of drug where swelling factor is measured.	05
	(c)	Write a note on – 'Wood'.	05
Q. 6	(a)	Write general tests for Alkaloids, Glycosides and Tannin.	06
	(b)	Write extrinsic factors which affect cultivation of plants.	05
	(c)	Write a note on – Cymose inflorescence.	05
Q.7	(a)	What is Quantitative microscopy? Write importance of it. What is lycopodium spore method?	06
	(b)	Differentaite Sterculia and Tragacantn gum.	05
	(c)	Write B.S., C.C. and uses of fixed oil obtained from plant and marine sources.	05
