

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
BPHARM – SEMESTER II • EXAMINATION – WINTER • 2014

Subject code: 220005

Date: 08-12-2014

Subject Name: Pharmacognosy-I

Time: 02:30 pm - 05:30 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) What is Pharmacognosy? Write scope and significance of it.	06
	(b) Differentiate between Ayurvedic drugs and Herbal Drugs.	05
	(c) Explain terms organized and Unorganized crude drugs stating examples.	05
Q.2	(a) Describe in brief Marine source of drugs.	06
	(b) Enumerate methods of classification of crude drugs. Explain therapeutic classification citing examples, merits and demerits	05
	(c) Write in brief tissue culture as a source of plant drugs	05
Q.3	(a) Differentiate between Racemose and Cymose inflorescences.	06
	(b) Define fruit. Give classification of fruits illustrating examples.	05
	(c) Explain underground modification of stems.	05
Q.4	(a) Enumerate the external factors affecting the quality of crude drugs. Discuss any two of them.	06
	(b) Explain polyploidy and its role in cultivation of medicinal plants	05
	(c) Write a brief note on plant growth regulators.	05
Q.5	(a) Define adulteration of crude drugs. Write short report on deliberate adulteration.	06
	(b) What is evaluation of crude drug? Mention different methods of evaluation and discuss any one of them.	05
	(c) Prepare Pharmacognostic Monograph on Ispagula.	05
Q. 6	(a) Define carbohydrates. Give its classification, properties and chemical tests.	06
	(b) Write short note on Alkaloids.	05
	(c) Give B.S., Chemical constituents, identification tests and Uses of Agar OR Tragacanth.	05
Q.7	(a) Mention B.S., Chemical constituents and uses of Castor Oil. How will you distinguish adulteration of castor oil with sesame oil?	06
	(b) Write B.S., family Chemical constituents and uses of Beeswax and Hydnocarpus oil.	05
	(c) Write in brief on Honey OR Wool fat.	05
