Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY BPHARM – SEMESTER II • EXAMINATION – WINTER • 2016

Subject code: 220005 Date: 11-01-2017

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) (b) (c)	Define pharmacognosy. Describe in brief history and scope of pharmacognosy. Explain in detail about marine sources of drugs. Describe in brief quantitative microscopy.	06 05 05
Q.2	(a) (b) (c)	Define resins, tannins and volatile oils with examples. Differentiate between simple leaf and compound leaf. Describe importance of plant growth regulators in cultivation of medicinal plants.	06 05 05
Q.3	(a) (b) (c)	Define Carbohydrates. Classify it with examples. Differentiate Monocot and Dicot stem. Enumerate extrinsic factors affecting to the cultivation. Discuss any two.	06 05 05
Q.4	(a) (b) (c)	Define crude drugs. Describe different methods of classification of crude drugs with suitable examples. Write a pharmacognostic note on Indian gum. Define root. Write a note on modification of roots for storage.	06 05 05
Q.5	(a) (b) (c)	Define adulteration of crude drugs. Discuss different types of adulteration. Describe pharmacognosy of bees wax and hydnocarpus oil. Discuss importance of gums in pharmaceutical industries.	06 05 05
Q. 6	(a) (b) (c)	Define bark. Draw and describe different shapes and outer surface of it with suitable example. Define cultivation. Write a note on asexual method of cultivation. Give Botanical Source, Chemical Constituents, uses and adulterants of Ispaghula.	06 05 05
Q.7	(a) (b) (c)	Define evaluation of crude drugs. Enlist different methods of evaluation. Discuss chemical evaluation in detail. Define lipids. Write down preparation of castor oil. Write a note on Modification of stem.	06 05 05
