

Seat No.: _____

Enrolment No. _____

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

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|-------------|--|-----------|
| 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 |
| 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) Differentiate Sterculia and Tragacanth gum. | 05 |
| | (c) Write B.S., C.C. and uses of fixed oil obtained from plant and marine sources. | 05 |
