

GUJARAT TECHNOLOGICAL UNIVERSITY

B.PHARM – SEMESTER – VII • EXAMINATION – WINTER – 2015

Subject Code: 270005

Date: 14/12/2015

Subject Name: Pharmacognosy-VI (Herbal Drug Technology)

Time: 10.30 AM to 1.30 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) | Discuss the principles of Chemotaxonomy considering its importance in pharmacognosy. | 06 |
| | (b) | Give chemotaxonomic distribution of terpenoids in plants. | 05 |
| | (c) | Explain different stages of chemotaxonomic investigation. | 05 |
| Q.2 | (a) | Classify the marine drugs giving examples for each class. | 06 |
| | (b) | Write a note on plant bitters. | 05 |
| | (c) | Give microscopy with labeled diagram of talis patra. | 05 |
| Q.3 | (a) | Discuss the importance of chromatography in estimation of phytoconstituents. | 06 |
| | (b) | Write a note on TLC. | 05 |
| | (c) | Write a note on herbal cosmetics. | 05 |
| Q.4 | (a) | What is photosensitivity? Discuss the role of photosensitising agents in therapy. | 06 |
| | (b) | Give pharmacognostic details of any two natural sources used as photosensitizing agents. | 05 |
| | (c) | Write a note on fungal toxins. | 05 |
| Q.5 | (a) | Write a note on plant sweeteners. Describe any one plant sweetener in detail. | 06 |
| | (b) | Give biological source, chemical constituents and use of (1) Rasna (2) Shankhpushpi. | 05 |
| | (c) | Give complete pharmacognosy of Ashoka bark. | 05 |
| Q. 6 | (a) | Classify the pesticides of natural origin giving examples of each class. Give pharmacognostic detail of one natural pesticide. | 06 |
| | (b) | Discuss the different methods used for the pest control. Write essential of a good pesticides. | 05 |
| | (c) | Give morphology of Gokhru with biological source, chemical constituents and use. | 05 |
| Q.7 | (a) | Define unorganized drug. Give pharmacognostic detail of guggul. | 06 |
| | (b) | Give biological source, chemical constituents, use and morphology of Nagarmoth. | 05 |
| | (c) | What is allergy? Classify plant allergens giving suitable examples. | 05 |
