

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
B. Pharm. – SEMESTER – VIII • EXAMINATION – WINTER • 2014

Subject Code: 280005

Date: 04-12-2014

Subject Name: Pharmacognosy-VII

(Herbal Formulations and Complimentary Therapies)

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) Enumerate various traditional systems of medicine and discuss basic principle of Ayurvedic system of medicine. | 06 |
| | (b) Explain method of preparations of Asava and Arishta in detail and enumerate its standardization parameters. | 05 |
| | (c) Discuss methods of preparation and standardization of kwath and Churna. Give the composition of Triphala churna. | 05 |
| Q.2 | (a) Write down the biological source, chemical constituents, uses and formulation of Piper and Kantakari. | 06 |
| | (b) Write note on herbo-mineral preparation “Bhasma”. | 05 |
| | (c) Write short note on Garlic. | 05 |
| Q.3 | (a) Discuss the Applications of HPTLC in standardization of herbal drugs. | 06 |
| | (b) Write short note on anti-diabetic drugs. | 05 |
| | (c) Write note on hallucinogenic plant. | 05 |
| Q.4 | (a) Write note on importance of hyphenated techniques in evaluation of herbal drugs. | 06 |
| | (b) Write note on Indian Madder. | 05 |
| | (c) Write note on Industry and research institutes involve in work of medicinal & aromatic plants. | 05 |
| Q.5 | (a) Discuss complete pharmacognosy of Nagod leaf. | 06 |
| | (b) Explain the chemical tests for anthraquinone and saponin glycosides. | 05 |
| | (c) Write down biological source, family, chemical constituents and uses of Bhilama and Vaj. | 05 |
| Q. 6 | (a) Write down pharmacognostic profile of Shirish bark. | 06 |
| | (b) Give biological source, family, chemical constituents, uses and Ayurvedic formulation of Tylophora and Palash. | 05 |
| | (c) Discuss the methods of extraction and utilization of volatile oils. | 05 |
| Q.7 | (a) Explain industrial production and utilization of cinchona alkaloids. | 06 |
| | (b) Explain extraction and estimation process for the Sennosides. | 05 |
| | (c) Write detail pharmacognosy of Pterocarpus. | 05 |
