

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
B. Pharm. - SEMESTER-8 • EXAMINATION – SUMMER -2018

Subject Code: 280005

Date: 07/05/2018

Subject Name: Pharmacognosy VII (Herbal Formulations & Complimentary Therapies)

Time: 10:30 AM TO 01:30 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) | Give the difference between Asava and Arista with examples. Give its standardization parameters | 06 |
| | (b) | What is Churna? Discuss various quality control parameters of Churna. | 05 |
| | (c) | Write the basic principles involves in Ayurvedic System of Medicine | 05 |
| Q.2 | (a) | Write a note on modern analytical techniques used for screening of herbal drugs. | 06 |
| | (b) | Explain extraction and estimation process for the calcium sennosides. | 05 |
| | (c) | Explain the industrial production and utilization of tropane alkaloid. | 05 |
| Q.3 | (a) | Give the source, utilization, production and estimation of diosgenin. | 06 |
| | (b) | Discuss the role of HPTLC in standardization of herbal drugs | 05 |
| | (c) | Write detail pharmacognosy of Pterocarpus. | 05 |
| Q.4 | (a) | Write down source, production, utilization and estimation method for podophyllotoxin. | 06 |
| | (b) | Write production and utilization of vincristine. | 05 |
| | (c) | Describe commercial method of production of menthol. | 05 |
| Q.5 | (a) | Write down biological source, chemical constituents, identification test and uses of Vidang and Vaj. | 06 |
| | (b) | Write short note on Gymnema | 05 |
| | (c) | Discuss complete pharmacognosy of Nagod leaf | 05 |
| Q. 6 | (a) | Write down the biological source, chemical constituents, uses and formulation of Kantakari. | 06 |
| | (b) | Write a short note on Tylophora. | 05 |
| | (c) | Write a short note on Garlic. | 05 |
| Q.7 | (a) | Write down biological source, family, chemical constituents, uses and Ayurvedic formulation of Palash. | 06 |
| | (b) | Give the botanical source, family, main active chemical constituents with structure and pharmacological uses of Harde and Baheda. | 05 |
| | (c) | Give the detail pharmacognosy of Shirish bark. | 05 |
