

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.

- 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
