

Seat No.: _____

Enrolment No. _____

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

Subject Code: 2280014**Date: 09/05/2018****Subject Name: Commerce of herbs and Phytoconstituents****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) Write contribution of Vinca alkaloids in modern drug discovery. **06**
(b) Describe in brief International trade of the herbal drugs. **05**
(c) Write note on Wild harvesting. **05**
- Q.2** (a) Explain world-wide trade in medicinal plant Senna and aloe. **06**
(b) Give the industrial uses of morphine and atropine. **05**
(c) Write note on standardization of Herbal Drug. **05**
- Q.3** (a) Write Industrially important aromatic plants and their derived products. **06**
(b) How to isolate, identify and analyze the curcumin. **05**
(c) Explain drug registration for export import. **05**
- Q.4** (a) Write WHO guidelines on good agricultural and collection practices for medicinal plants. **06**
(b) Explain the various methods of standardization of herbal drugs. **05**
(c) Write overview of drug molecules discovered from natural products. **05**
- Q.5** (a) Write note on Intellectual Property Rights (IPR). **06**
(b) Write short note on cultivation of medicinal plants. **05**
(c) Explain constraints to the development of trade of medicinal plants. **05**
- Q.6** (a) Explain WHO guidelines on good manufacturing practices for the manufacture of herbal medicines. **06**
(b) Give the detail pharmacognosy of taxol. **05**
(c) Write short note on production, supply and distribution medicinal plants. **05**
- Q.7** (a) Write Medicinal plant based industries in indigenous system of medicine (ISM). **06**
(b) What are the staff requirements for the herbal drug industry? **05**
(c) Explain detailed study of ephedrine in drug discovery. **05**
