

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
B.PHARM - SEMESTER- 8 EXAMINATION – SUMMER -2019

Subject Code: 2280014**Date: 18-05-2019****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 a note on WHO guidelines on good agricultural and collection practices (GACP) for medicinal plants. **06**
(b) Discuss role of natural products in drug discovery. **05**
(c) Discuss scope of medicinal plant based industries in India. **05**
- Q.2** (a) Discuss different aspects of patent regulations for Herbal Products. **06**
(b) Discuss clauses in the Indian Patent Act that challenge absolute non-patentability in herbal drugs. **05**
(c) Write a note on drug discovery process of taxol. **05**
- Q.3** (a) Discuss advantage and disadvantages of wild harvesting of medicinal plants. **06**
(b) Discuss challenges in standardization of polyherbal formulations. **05**
(c) Write in detail about drug registration process for export import. **05**
- Q.4** (a) Discuss various aspects for cultivation of medicinal plants. **06**
(b) Write a note on trade marking for herbal products. **05**
(c) Discuss drug discovery updates on δ -tubocurarine. **05**
- Q.5** (a) Discuss issues related to copyrights for herbal products. **06**
(b) Write a note on global trade of guggulu and salai-guggulu. **05**
(c) Discuss storage conditions for herbal products. **05**
- Q.6** (a) Write a note on drug discovery process of artemisinin. **06**
(b) Discuss components of common technical document (CTD) for herbal product. **05**
(c) Discuss major challenges in trade of herbal products. **05**
- Q.7** (a) Enlist industrially important aromatic plants and discuss products derived from them. **06**
(b) Write a note on worldwide trade of senna. **05**
(c) Discuss components of a monograph of Ayurvedic Pharmacopoeia of India. **05**
