

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
B.PHARM – SEMESTER – 8- EXAMINATION –WINTER - 2018

Subject Code: 2280014**Date: 28/11/2018****Subject Name: Commerce of herbs and Phytoconstituents****Time: 02:30 PM TO 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.

- Q.1** (a) What are the WHO guidelines for the GMP for the manufacturing of Herbal formulations? **06**
- (b) What is the contribution of natural drug in modern drug discovery with respect to taxol. **05**
- (c) Write a note on production, supply and distribution of herbal drugs. **05**
- Q.2** (a) Write about the industrial importance of artemisinin and Diosgenin. **06**
- (b) Write a note on ideal requirement for the storage of herbal drug. **05**
- (c) Write a detail note on staff requirements for the herbal drug industry. **05**
- Q.3** (a) Write guidelines on good agricultural and collection practices (GACP) for medicinal plants. **06**
- (b) Discuss in brief about any one industrial important aromatic plant. **05**
- (c) Write a note on industrial importance of liquorice and Withania. **05**
- Q.4** (a) Write about the legal requirements for the licenses and registration requirement for herbal drug export and import. **06**
- (b) Discuss modern quality control system for herbal drugs. **05**
- (c) Write a note on methods of standardization of herbal drugs. **05**
- Q.5** (a) Discuss the world wide trade of ginseng and guggulu. **06**
- (b) Describe methods of patent for herbal drugs. **05**
- (c) Write a note on international trade. **05**
- Q. 6** (a) Discuss in details about the industrial importance of Vinca alkaloids. **06**
- (b) Write a note on wild harvesting of herbal drugs. **05**
- (c) Write a note on cultivation and collection of medicinal plants. **05**
- Q.7** (a) Write a note on various methods for IPR protection of traditional medical knowledge. **06**
- (b) What are the constrain in the development of herbal drug trade. **05**
- (c) Write a short note on herbal wealth of India. **05**
