

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
B.PHARM - SEMESTER- 4 EXAMINATION – SUMMER -2019**Subject Code: 2240006****Date: 20-05-2019****Subject Name: Pharmacognosy-II****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) Define Resin. Explain in detail Classification of resin and physico-chemical property of it. **06**
- (b) Describe general characteristic of umbelliferous fruit. Write Biological source, Chemical constituents and uses of Any one. **05**
- (c) Explain Histology of Cassia bark with proper labelled diagram. **05**
- Q.2** (a) What is Hydrolysable tannin. Explain in detail Pharmacognosy of Amla. **06**
- (b) Write Pharmacognosy of Pale Catechu. **05**
- (c) Explain Pharmacognosy of drug used as counter irritant. **05**
- Q.3** (a) Explain in detail balsamic resin containing drug. **06**
- (b) Write Biological Source, Chemical constituent and uses of Nagarmotha and Garlic. **05**
- (c) Write a note on drug used in Bronchial asthma. **05**
- Q.4** (a) Define volatile oil and write in detail preparation of volatile oil. **06**
- (b) Explain Detail microscopy of Ginger. **05**
- (c) Explain in detail narcotic drug. **05**
- Q.5** (a) Explain in detail oleo resin gum drug used as nervine stimulant. **06**
- (b) Write a note on Pharmacognosy of Clove. **05**
- (c) Write Biological Source, Chemical constituent and uses of Sandalwood and Ajowan. **05**
- Q.6** (a) Write difference between the following: **06**
1. Indian Podophyllum and American Podophyllum.
2. Indian Dill and European Dill.
- (b) Write Biological Source, Chemical constituent and uses of Ashoka and Pterocarpus. **05**
- (c) Write a note on Cardamom. **05**
- Q.7** (a) Write a note on Convolvulaceous resin drugs. **06**
- (b) Explain Pharmacognosy of Turmeric. **05**
- (c) Differentiate Fennel and Coriander by its Morphological and Microscopical Characteristics. **05**
