

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
B.PHARM - SEMESTER- 4 EXAMINATION – WINTER -2019

Subject Code: 2240006**Date: 21-12-2019****Subject Name: Pharmacognosy-II****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.
4. Draw neat & clean diagram wherever necessary.

- Q.1** (a) What are resins? Write a detailed note on a drug containing Acid resin. **06**
(b) Differentiate between **05**
1. Cinnamon bark and Cassia bark.
2. European Dill & Indian Dill
(c) Write a detailed note on distillation methods used in the isolation of volatile oils. **05**
- Q.2** (a) Write about the cultivation and preparation of Eucalyptus oil. Give B. S., **06**
Morphology, C.C. and uses of Eucalyptus leaf.
(b) Describe pharmacognosy of Coriander. **05**
(c) Define Volatile oils, give its classification with examples and describe **05**
mechanical methods for isolation from crude drugs.
- Q.3** (a) Write a note on general morphological and microscopical characters of **06**
umbelliferous fruits.
(b) Write a note on botanical source, morphology, chemical constituents and uses of **05**
Vaj.
(c) Write a detailed note on physicochemical properties of volatile oils. **05**
- Q.4** (a) Differentiate between: **06**
(1) Hydrolysable tannins and Condensed tannins.
(2) Volatile oil & Fixed oil
(b) Describe in short: Pharmacognosy of Saffron & Cardamom. **05**
(c) Give the active constituents & discuss the therapeutic uses of Tulsi & Ajowan. **05**
- Q.5** (a) Describe Pharmacognosy of Asafoetida & Salaiguggul. **06**
(b) Give the Pharmacognosy of Guggul. **05**
(c) Write a short note on 'Cannabis'. **05**
- Q.6** (a) Define & classify the Tannins with appropriate examples and give the **06**
identification tests.
(b) What are the valepotriates? Describe the drug containing valepotriates. **05**
(c) Write down Botanical source, morphology, chemical constituents and uses of **05**
Mentha.
- Q.7** (a) Describe the Histology of Fennel. **06**
(b) Give the Pharmacognosy of Myrtaceae family containing drug having Dental **05**
analgesic effect.
(c) Describe Pharmacognosy of Vit. C containing Tannin- drug. **05**
