

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
B.Ph.- SEMESTER- IV • EXAMINATION – SUMMER - 2018**Subject Code:2240006****Date:25/05/2018****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) Enumerate physico- chemical properties and general methods of the isolation of volatile oils. Write significance note on effleurage method. **06**
(b) Classify volatile oils illustrating suitable examples. **05**
(c) Write a note on Saffron or Garlic **05**
- Q.2** (a) Enumerate umbelliferous fruits in syllabus .Explain morphological & microscopical characters of coriander fruit. **06**
(b) Describe Chemical constituents and adulterants of clove bud. **05**
(c) Differentiate between Indian and European dill fruit. **05**
- Q.3** (a) Classify tannins with suitable examples and write its' identification tests. **06**
(b) Differentiate between pale & black catechu. **05**
(c) Describe a fruit drug rich in Vitamin C included in syllabus. **05**
- Q.4** (a) Give biological name of any three drugs containing Glyco-resin. Give Chemical constituents, chemical tests & uses of podophyllum. **06**
(b) Describe pharmacognosy of Ginger. **05**
(c) Write notes on Cannabis **05**
- Q.5** (a) Discuss cultivation, collection and microscopy of cinnamon bark. **06**
(b) What is mace? Write significance note on Nutmeg. **05**
(c) Write a note on biological source, chemical constituents and uses of the drug containing valepotriates. **05**
- Q. 6** (a) Define resins, classify it giving suitable examples. Add a note on Vidnag. **06**
(b) Give comparison between Siam & Sumatra Benzoin. **05**
(c) Write note on Salaiguggual **05**
- Q.7** (a) Write a note on Bael OR Ashoka **06**
(b) Give morphological & microscopical characters of Eucalyptus leaf. **05**
(c) Differentiate between *Mentha piperita* and *M. spicata*. **05**
