

Seat No.: \_\_\_\_\_

Enrolment No. \_\_\_\_\_

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**B. Pharm. – SEMESTER – IV • EXAMINATION – WINTER • 2014**

**Subject Code: 2240006**

**Date: 05-01-2015**

**Subject Name: Pharmacognosy - II**

**Time: 02:30 pm - 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) Enumerate drugs containing oleo gum resins. Explain any one in detail. **06**  
(b) Differentiate between 1) Pale catechu and Black catechu  
2) Hydrolyzable tannins and condensed tannins. **05**  
(c) Define Resins. Discuss types of resins with examples. **05**
- Q.2** (a) Define volatile oils. Enumerate general methods for its isolation. Discuss any one in detail. **06**  
(b) Write down Botanical source, morphology, chemical constituents and uses of Cinnamon or Coriander. **05**  
(c) Write in detail about different varieties of Tulsi or Mentha. **05**
- Q.3** (a) Classify tannins with suitable examples. Write in detail about general chemical tests of tannins. **06**  
(b) Write a note on different varieties of cannabis. **05**  
(c) Write down Botanical source, chemical constituents, cultivation collection and uses of Amla or Bael. **05**
- Q.4** (a) Write Botanical source, chemical constituents and uses of Rose and Vaj. **06**  
(b) Write a note on drug containing Valepotriates. **05**  
(c) Discuss in detail about Dill. **05**
- Q.5** (a) Write a note on commercial varieties of cardamom. **06**  
(b) Write a note on commercial varieties of capsicum. **05**  
(c) Write a note on Vidang. **05**
- Q. 6** (a) Describe microscopy of Fennel in detail. **06**  
(b) Describe macroscopy and microscopy of Clove in detail. **05**  
(c) Draw a well labelled transverse section of Amla fruit. **05**
- Q.7** (a) Discuss medicinal uses of turmeric and Guggul. **06**  
(b) Write a note on Balsam. **05**  
(c) Write a pharmacognostic note on Eucalyptus or Saffron. **05**

\*\*\*\*\*