

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
B. Pharm. – SEMESTER – I • EXAMINATION – SUMMER • 2014

Subject Code: 2240006

Date: 31-05-2014

Subject Name: Pharmacognsy-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) Define essential oils. Enumerate general methods for its isolation. Discuss in detail about cold method of isolation. **06**
- (b) Write a pharmacognostic note on a drug containing thymol as a main constituent. **05**
- (c) Discuss in detail about chemical constituents and adulterants of clove. **05**
- Q.2** (a) What is guggulipids? Write in brief about method of purification of guggul. Differentiate between guggul and salai guggul. **06**
- (b) Draw a well labeled morphology and detailed transverse section of ginger. **05**
- (c) Write in detail about different varieties of loban. **05**
- Q.3** (a) Define tannins. Classify tannins with suitable examples. Write in detail about general chemical tests of tannins. **06**
- (b) Write a note on drugs belongs to combretaceae family. **05**
- (c) Write down Botanical source, morphology, chemical constituents and uses of ashoka or nishoth. **05**
- Q.4** (a) Write Botanical source, chemical constituents and uses of rose and vanilla. **06**
- (b) What is valepotriates? Write a note on drug containing valepotriates. **05**
- (c) Discuss in detail about calamus. **05**
- Q.5** (a) Write a botanical source of cannabis. Discuss in brief about its preparations. **06**
- (b) What is capsinin? Write a note on commercial varieties of capsicum. **05**
- (c) Write a note on nishoth. **05**
- Q. 6** (a) Write a pharmacognostic profile on *Crocus sativus*. **06**
- (b) Discuss in detail about cultivation, collection and chemical constituents of cinnamon bark. **05**
- (c) What is mace? Write a detail note on mace. **05**
- Q.7** (a) Comment on followings: **06**
- i) European dill is less poisonous than Indian dill.
- ii) Quantitative microscopy helps in detection of commercial varieties of cardamom.
- iii) Lemongrass oil is used for synthesis of vitamin A.
- (b) Define acid resene. Write a note on a drug containing resenes. **05**
- (c) Differentiate between 1) pale catechu and black catechu **05**
- 2) Hydrolyzable tannins and condensed tannins.
