

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.

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|-------------|---|-----------|
| 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 capsin? Write a note on commercial varieties of capsicum. | 05 |
| | (c) Write a note on nishoth. | 05 |
| Q. 6 | (a) Write a pharmacognostic profile on <i>Crocus sativus</i> . | 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:
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. | 06 |
| | (b) Define acid resene. Write a note on a drug containing resenes. | 05 |
| | (c) Differentiate between 1) pale catechu and black catechu
2) Hydrolyzable tannins and condensed tannins. | 05 |
