

GUJARAT TECHNOLOGICAL UNIVERSITY
B. Pharm. – SEMESTER – IV • EXAMINATION – SUMMER • 2015

Subject Code: 2240006**Date: 10-06-2015****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.**

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| Q.1 | (a) Describe cultivation, collection, active constituents and uses of cardamom. | 06 |
| | (b) Differentiate siam benzoin and sumatra benzoin. | 05 |
| | (c) Describe botanical source, chemical constituents and uses of cannabis. | 05 |
| Q.2 | (a) Define tannins. Classify it with suitable examples and write their general chemical tests. | 06 |
| | (b) Write a note on botanical source, morphology, chemical constituents, and uses of myrobalan. | 05 |
| | (c) Differentiate black catechu and pale catechu. | 05 |
| Q.3 | (a) Give detail pharmacognostic profile of nutmeg. | 06 |
| | (b) Write a note on any one oleo gum resin containing drug. | 05 |
| | (c) Describe general morphological and microscopical characters of umbelliferous fruits. | 05 |
| Q.4 | (a) Write a note on botanical source, chemical constituents and uses of followings;
i) Myrrh ii) Turmeric | 06 |
| | (b) Define and classify resins with suitable examples. | 05 |
| | (c) How can one differentiate cinnamon bark from cassia bark? | 05 |
| Q.5 | (a) Differentiate the followings;
i) Indian dill and European dill
ii) Volatile oil and Fixed oil | 06 |
| | (b) Enumerate various methods for extraction of volatile oils and explain any one of them. | 05 |
| | (c) Write a note on synonyms, botanical source, chemical constituents and uses of drug containing valepotriates. | 05 |
| Q. 6 | (a) Describe pharmacognosy of ginger. | 06 |
| | (b) Write a note on botanical source, morphology, chemical constituents and uses of eucalyptus. | 05 |
| | (c) Describe chemical constituents and adulterants of clove. | 05 |
| Q.7 | (a) Write a note on botanical source, chemical constituents, and uses of followings;
i) Fennel ii) Tulsi | 06 |
| | (b) Draw and describe transverse section of coriander fruit. | 05 |
| | (c) Write a note on physicochemical properties of volatile oils. | 05 |
