

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

Subject Code: 2240006

Date: 13-01-2016

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.**

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| Q.1 | (a) Define Volatile oils, Write its classification and Isolation methods from crude drugs. | 06 |
| | (b) Write about the microscopical description of Eucalyptus leaf with proper diagram. | 05 |
| | (c) Comment on the following:
(1) "Coriander contains less volatile oils than fennel".
(2) "Valerian is stabilized immediately after collection". | 05 |
| Q.2 | (a) How resins are classified? Explain with suitable examples. | 06 |
| | (b) "Dried ginger is more pungent than fresh ginger"-Comment. | 05 |
| | (c) Differentiate the followings.
(1) Sumatra benzoin and Siam benzoin.
(2) Indian Podophyllum and American Podophyllum. | 05 |
| Q.3 | (a) What is tannin? Classify the tannins with suitable examples. Explain Industrial application of tannins. | 06 |
| | (b) Draw and describe transverse section of Dill fruit. | 05 |
| | (c) Differentiate between
(1) Tannins and Pseudotannins.
(2) Pale catechu and Black catechu. | 05 |
| Q.4 | (a) Write Pharmacognostic profile of Caraway. | 06 |
| | (b) Discuss in detail about the cultivation collection and chemical constituents Of Sandal wood. | 05 |
| | (c) Write notes on 'Cannabis'. | 05 |
| Q.5 | (a) What is resin? Write a note on a drug containing Ester resin. | 06 |
| | (b) Write Biological source, Chemical constituents and Uses of Vidang and Turmaric. | 05 |
| | (c) Comment on the following.
(1) "Dried capsicums are red in colour".
(2) "Asafoetida give combined umbelliferon test". | 05 |
| Q. 6 | (a) Write notes on a drug belongs to Myrtaceae family. | 06 |
| | (b) Write about the cultivation and collection of Nutmeg. Write the substituents of Nutmeg. | 05 |
| | (c) Differentiate between
(1) <i>Mentha piperita</i> and <i>Mentha spicata</i> .
(2) Cinnamon bark and Cassia bark. | 05 |
| Q.7 | (a) Write the Biological source, Chemical constituents and uses of Asoka bark and Pterocarpus wood. | 06 |
| | (b) Write in details about the drug rich in Vitamin C in your syllabus. | 05 |
| | (c) Write in detail about the distillation methods. | 05 |
