

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**B. PHARM - SEMESTER-III - EXAMINATION-SUMMER 2017**

**Subject Code: 230006****Date: 26/05/2017****Subject Name: Pharmacognosy-II****Time: 02:30 PM to 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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|-------------|---|-----------|
| <b>Q.1</b>  | (a) Define and classify the volatile oil with example and application.  | <b>06</b> |
|             | (b) Write the detail Pharmacognosy of clove.  | <b>05</b> |
|             | (c) Write pharmacognosy of drug known as Himalaya May apple.  | <b>05</b> |
| <b>Q.2</b>  | (a) Differentiate the followings : (Any Three)  | <b>06</b> |
|             | (1) Volatile oil & Fixed oil  |           |
|             | (2) Cinnamon bark & Cassia Bark   |           |
|             | (3) Hydrolysable tannin & Condensed tannin  |           |
|             | (4) Indian Dill & European Dill   |           |
|             | (b) Describe general morphological and microscopically characters for identification of umbelliferous fruits.     | <b>05</b> |
|             | (c) Write a note on source, chemical constituents, identification tests and adulterants of Asafoetida.            | <b>05</b> |
| <b>Q.3</b>  | (a) Define Tannin. Classify it with suitable examples and identification tests.                                   | <b>06</b> |
|             | (b) Write the detail Pharmacognosy with preparation method of Gambir.   | <b>05</b> |
|             | (c) Define & classify the Pharmaceutical Aids with Example & application.   | <b>05</b> |
| <b>Q.4</b>  | (a) What are vittae? Give one example of a drug containing vittae with a neat labeled diagram.                    | <b>06</b> |
|             | (b) Write the pharmacognosy of cotton with preparation method of adsorbent cotton.                                | <b>05</b> |
|             | (c) Write on natural colorant with application.   | <b>05</b> |
| <b>Q.5</b>  | (a) Define Extraction. Explain the methods of extraction used in Pharmacy.  | <b>06</b> |
|             | (b) Describe the method of obtaining High density volatile oil from Drugs with description of the apparatus used. | <b>05</b> |
|             | (c) Write a note on preparation of gelatine.  | <b>05</b> |
| <b>Q. 6</b> | (a) Define and classify the Resin with Extraction and Isolation method.   | <b>06</b> |
|             | (b) Explain the Pharmacognosy of turmeric & Ginger.   | <b>05</b> |
|             | (c) Write the identification tests of Cardenolide & Steroids.   | <b>05</b> |
| <b>Q.7</b>  | (a) Define and classify the fibers with example with commercial application.                                      | <b>06</b> |
|             | (b) Give details about following chemical tests   | <b>05</b> |
|             | (1) Mayers Test   |           |
|             | (2) Match stick test  |           |
|             | (c) Write biological source, family, chemical constituents, identification test and uses of silk.                 | <b>05</b> |