

**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.

- Q.1** (a) Define and classify the volatile oil with example and application. **06**  
(b) Write the detail Pharmacognosy of clove. **05**  
(c) Write pharmacognosy of drug known as Himalaya May apple. **05**
- Q.2** (a) Differentiate the followings : (Any Three) **06**  
(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. **05**  
(c) Write a note on source, chemical constituents, identification tests and adulterants of Asafoetida. **05**
- Q.3** (a) Define Tannin. Classify it with suitable examples and identification tests. **06**  
(b) Write the detail Pharmacognosy with preparation method of Gambir. **05**  
(c) Define & classify the Pharmaceutical Aids with Example & application. **05**
- Q.4** (a) What are vittae? Give one example of a drug containing vittae with a neat labeled diagram. **06**  
(b) Write the pharmacognosy of cotton with preparation method of adsorbent cotton. **05**  
(c) Write on natural colorant with application. **05**
- Q.5** (a) Define Extraction. Explain the methods of extraction used in Pharmacy. **06**  
(b) Describe the method of obtaining High density volatile oil from Drugs with description of the apparatus used. **05**  
(c) Write a note on preparation of gelatine. **05**
- Q. 6** (a) Define and classify the Resin with Extraction and Isolation method. **06**  
(b) Explain the Pharmacognosy of turmeric & Ginger. **05**  
(c) Write the identification tests of Cardenolide & Steroids. **05**
- Q.7** (a) Define and classify the fibers with example with commercial application. **06**  
(b) Give details about following chemical tests **05**  
(1) Mayers Test  
(2) Match stick test  
(c) Write biological source, family, chemical constituents, identification test and uses of silk. **05**