

GUJARAT TECHNOLOGICAL UNIVERSITY
BPHARM – SEMESTER III • EXAMINATION – WINTER • 2016

Subject code: 230006**Date: 01-12-2016****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.**

- Q.1** (a) Define Tannin. Give the complete classification of Tannin with examples. **06**
(b) Describe methods of preparation of black catechu and pale catechu. **05**
(c) Describe various test uses for identification of tannin. **05**
- Q.2** (a) Write complete Pharmacognosy of Clove. **06**
(b) Draw labeled diagram of morphology and microscopy of Fennel fruit. **05**
(c) Describe any one method for the extraction of volatile oil. **05**
- Q.3** (a) Describe general characters of umbelliferous fruits. **06**
(b) Write the source, uses and chemical test of Cotton and Silk. **05**
(c) Write a note on Natural colours. **05**
- Q.4** (a) Define Resin. Give the classification of Resin. Write about isolation methods of resin. **06**
(b) Write about the source and uses of turmeric and Myrrh. **05**
(c) Write sources and methods of collection of Benzoin. **05**
- Q.5** (a) Write biological source, chemical constitutes and uses of Phodophyllum and valerian. **06**
(b) Elaborate phytochemical screening of flavanoids and amino acids. **05**
(c) Draw the Transverse section of Cassia. **05**
- Q. 6** Give the difference between:
(a) Hydrolysable and Condensed tannin. **06**
(b) Indian Dill and European Dill **05**
(c) Cinnamon Bark and Cassia bark **05**
- Q.7** (a) Give specific test for screening of anthraquinone and cynogenetic glycosides. **06**
(b) Enlist various methods for isolation of phytoconstituents. Explain in brief any one method. **05**
(c) Write a short note on Pharmaceutical Aids. **05**
