

GUJARAT TECHNOLOGICAL UNIVERSITY
B.Ph. / M. Ph. / D.Ph. - SEMESTER-I • EXAMINATION – WINTER-2016

Subject Code: 410003**Date: 24/10/2016****Subject Name: Pharmacognosy****Time:10:30AM 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.

- Q.1** (a) Define Pharmacognosy. Discuss the scopes of Pharmacognosy in allied fields. **06**
(b) What are alkaloids? Write the properties and classification of alkaloids. **05**
(c) Give the sources, chemical constituents and uses of Vinca and Vasaka. **05**
- Q.2** (a) Enlist the indigenous systems of medicine. Describe the system of Indian origin. **06**
(b) What are laxatives? Write a short note on any one laxative drug. **05**
(c) Give the differences between Chota gokhru and bada gokhru. **05**
- Q.3** (a) What is the need of classification systems of crude drugs? Discuss the morphological system of classification. **06**
(b) What are volatile oils? Describe the methods of isolation of volatile oil from plant drugs. **05**
(c) Write a short note on Digitalis. **05**
- Q.4** (a) What is adulteration? Explain various methods of adulteration, giving examples. **06**
(b) Write a well-labeled diagram of transverse section of Clove. **05**
(c) Classify the drugs acting on nervous system. Write the sources, chemical constituents and uses of Ashwagandha. **05**
- Q.5** (a) Explain the term 'Drug Evaluation'. Discuss the method of Chemical evaluation of crude drugs. **06**
(b) Explain the methods of cultivation and collection of Ergot and Opium. **05**
(c) Write a short note on the perfumes and flavoring agents used in pharmaceutical industries. **05**
- Q.6** (a) Define and classify glycosides, giving suitable examples. **06**
(b) Write a short note on an enzyme obtained from plant source. **05**
(c) Write the sources, chemical constituents and chemical tests of Asafoetida and Pale catechu. **05**
- Q.7** (a) Define and classify pharmaceutical aids. Write a short note on Acacia. **06**
(b) Give the sources, chemical constituents and uses of Turmeric and Amla. **05**
(c) What are anti-rheumatics? Explain any one drug which is useful in rheumatism. **05**
