

GUJARAT TECHNOLOGICAL UNIVERSITY
B. Pharm. – SEMESTER – VI • EXAMINATION – WINTER • 2016

Subject Code: 2260006**Date: 26-10-2016****Subject Name: Pharmacognosy – IV****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) Explain the pharmacognosy of Antihypertensive drug. **06**
(b) Define alkaloid. Give its physical & chemical properties of Alkaloids. **05**
(c) Write the source and life cycle of Ergot with labeled diagram. **05**
- Q.2** (a) Explain the various categories of novel medicinal agents form marine source with its structure. **06**
(b) Write a short note on Natural colours. **05**
(c) Write a note on anticancer drug. **05**
- Q.3** (a) Explain in details about purine alkaloids. **06**
(b) Describe Biological source, Preparation, chemical test and uses of Papain **05**
(c) Give the detail classification of Alkaloids. **05**
- Q.4** (a) Define fibres. Write a note on Animal fibres. **06**
(b) Give the morphological and microscopical diagram of cinchona bark. **05**
(c) Write a short note on Narcotic preparation of Opium. **05**
- Q.5** (a) Describe in detail pharmacognosy of Imidazole containing drug. **06**
(b) Give the pharmacognosy of Quinazoline containing drug. **05**
(c) Differentiate the following. **05**
 i) *Dature metal & Datura innoxia*
 ii) Rio Ipecac & Cartegenia Ipecac
- Q. 6** (a) What are enzymes? Write a note on Haylluronidase and Panicillinase. **06**
(b) Describe biological source, cultivation, collection & use of Belladona. **05**
(c) Write a note on any one steroidal alkaloidal containing drug. **05**
- Q.7** (a) Explain in detail about Tylophora **06**
(b) Explain the pharmacognosy of Indian Ginseng. **05**
(c) Write a source, chemical constituents and uses of Ephedra and Scopolia. **05**
