

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
B.PHARM - SEMESTER- 6 EXAMINATION – SUMMER -2019

Subject Code: 2260006**Date: 18-05-2019****Subject Name: Pharmacognosy-IV****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 Alkaloids. Explain chemical Classification in detail with structure and examples. **06**
- (b) Explain various methods for isolation of alkaloids. Write down physicochemical properties of it. **05**
- (c) Write detail Pharmacognostical profile of Vinca. **05**
- Q.2** (a) Write down botanical sources, cultivation, collection and uses of Opium. **06**
- (b) Draw and describe transverse section of Nux vomica seed. **05**
- (c) write down chemical test for following: **05**
1. Quinine 2. Tropane alkaloid 3. Caffeine 4. Ergotamine
5. Strychnine
- Q.3** (a) Define and classify fibres. Write a note on plant fibre. **06**
- (b) Write down botanical sources, chemical constituents, uses of pyridine piperidine alkaloid containing drugs. **05**
- (c) Write down detailed pharmacognosy of Ephedra. **05**
- Q.4** (a) Write down detailed pharmacognosy of Withania. **06**
- (b) Write a note on any one drug steroidal alkaloid containing drug. **05**
- (c) Write down short note on Ergot. **05**
- Q.5** (a) Define and Classify enzymes with suitable examples. **06**
- (b) Give Biological source, method of preparation and uses of Papain. **05**
- (c) Write a note on Urokinase and Pepsin. **05**
- Q.6** (a) Describe detailed pharmacognosy of Vasaka leaf. **06**
- (b) Write down botanical sources, chemical constituents, uses of Purine alkaloid containing drugs. **05**
- (c) Differentiate the following: **05**
1. Rio Ipecac and Cartagena Ipecac
2. Chotta chand and Bada chand
- Q.7** (a) What is Marine pharmacognosy? Explain various categories of novel medicinal agents from marine sources. **06**
- (b) Write down detail Pharmacognosy of anti malarial drug. **05**
- (c) Write down botanical sources, chemical constituents, uses of Colchicum and Pilocarpus. **05**
