

Seat No.: \_\_\_\_\_

Enrolment No. \_\_\_\_\_

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**B.PHARM – SEMESTER – 6- EXAMINATION –WINTER - 2018**

**Subject Code: 2260006****Date: 03/12/2018****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) Write biological source, preparation, identification tests and uses of diastase. **06**  
(b) Define pharmaceutical aids. Write a brief note on fibres. **05**  
(c) Define marine pharmacognosy. Write a brief note on marine anticancer drugs. **05**
- Q.2** (a) Write biological source, preparation, identification tests and uses of pepsin. **06**  
(b) Write a note on streptokinase and urokinase. **05**  
(c) Write a note on talc and diatomite. **05**
- Q.3** (a) Define alkaloids. Write classification, general method of isolation, and properties of alkaloids. **06**  
(b) Write a pharmacognostical note on ephedra. **05**  
(c) Write a difference between Indian lobelia and European lobelia. **05**
- Q.4** (a) Describe source, uses and chemical constituents of tobacco. **06**  
(b) Write a pharmacognostical note on withania. **05**  
(c) Write a difference between Egyptian henbane and European henbane. **05**
- Q.5** (a) Describe source, uses and chemical constituents of opium. **06**  
(b) Write a pharmacognostical note on cinchona. **05**  
(c) Write a difference between *Rauwolfia canescens* and *Rauwolfia serpentina*. **05**
- Q. 6** (a) Describe source, uses and chemical constituents of ergot. **06**  
(b) Write a pharmacognostical note on nux-vomica. **05**  
(c) Write a difference between Rio Ipecac & Cartegena Ipecac. **05**
- Q.7** (a) Describe source, uses and chemical constituents of Aconite. **06**  
(b) Write a pharmacognostical note on vasaka. **05**  
(c) Write a difference between *Dature metal* & *Datura innoxia*. **05**

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