

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

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

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**B.PHARM – SEMESTER – 3- EXAMINATION –WINTER - 2018**

**Subject Code:2230006****Date: 30/11/2018****Subject Name: Pharmacognosy-I****Time:10:30 AM 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 crude drug. Discuss Plant tissue culture as a source of crude drug in detail. **06**  
(b) Define Tannins and give its properties and classification with examples. **05**  
(c) Brief Pectin. **05**
- Q.2** (a) Define pharmacognosy. Discuss scope and development of Pharmacognosy. **06**  
(b) Give pharmacognostic note on Animal starch. **05**  
(c) Give asexual method for cultivation. **05**
- Q.3** (a) Explain adulteration of crude drugs. **06**  
(b) Write a note on plant hormones and their applications. **05**  
(c) Differentiate Cocoa butter and Kokum butter **05**
- Q.4** (a) What is fruit and classify them with examples. **06**  
(b) Write a pharmacognostic note on Honey. **05**  
(c) Discuss microscopical and biological evaluation of crude drug. **05**
- Q.5** (a) Give B.S., Family C.C and Use of **06**  
1. Isabgol 2. Wool fat 3. Linseed oil  
(b) Define and give modification of stem. **05**  
(c) Define and classify the carbohydrate with examples. **05**
- Q.6** (a) Define 1. Stomatal index 2. Acid value 3. Hybridization **06**  
(b) Differentiate monocot and dicot leaf. **05**  
(c) Write a note on Acacia and Tragacanth. **05**
- Q.7** (a) What are the methods of classification of crude drugs? Describe therapeutic and pharmacological classification of crude drugs. **06**  
(b) Discuss mutation with reference to the medicinal plants. **05**  
(c) Give a note on cod liver oil. **05**

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