

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

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

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**B.PHARM – SEMESTER – 2- EXAMINATION –WINTER - 2018**

**Subject Code: 220005****Date: 17/12/2018****Subject Name: Pharmacognosy - I****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 Pharmacognosy. Discuss its scope and significance of it. 06  
(b) Differentiate between Ayurvedic and Herbal drugs. 05  
(c) Explain the term Organized and Unorganized drugs. 05
- Q.2 (a) Write source, method of preparation and uses of Agar. 06  
(b) Draw and compare T.S. of monocot and dicot stem. 05  
(c) Explain classification of crude drugs. 05
- Q.3 (a) What is plant tissue culture? What are the advantages of it. Explain different requirement for it. 06  
(b) What do you understand by adulteration? 05  
(c) Write modification of stem with suitable example. 05
- Q.4 (a) Write short notes on Alkaloides. 06  
(b) Write a brief note on Plant growth regulators. 05  
(c) Write method of preparation of medicinal castor oil. 05
- Q.5 (a) Define Carbohydrates. Give its classification, properties and chemical test. 06  
(b) Write pharmacognosy of drug where swelling factor is measured. 05  
(c) Write the botanical source, family, method of preparation and uses of honey. 05
- Q. 6 (a) Write the differences between fixed oils and volatile oils. 06  
(b) Write a note on Mutation with its application for medicinal plants. 05  
(c) Write the tests for identification of isapgol and sesame oil. 05
- Q.7 (a) Describe in brief Marine Sources of drugs. 06  
(b) What are gums? Write pharmacognosy of Acacia gum. 05  
(c) Define inflorescence. Write the differences between racemose and cymose inflorescence 05

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