

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

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

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

**Subject Code:BP305TP**

**Date: 12/12/2018**

**Subject Name: Pharmacognosy and Phytochemistry 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.**

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|-------------|-----|--|-----------|
| <b>Q.1</b>  | (a) | Write a note on proteolytic enzymes in brief.  | <b>06</b> |
|             | (b) | What is adulteration? Describe its different methods with examples.  | <b>05</b> |
|             | (c) | Give difference between fixed oil and volatile oil.  | <b>05</b> |
| <b>Q.2</b>  | (a) | Define Pharmacognosy. Explain in brief about scope and development of Pharmacognosy.                                   | <b>06</b> |
|             | (b) | Write a note on conservation of medicinal plants.  | <b>05</b> |
|             | (c) | Give detail about marine as sources of crude drugs.  | <b>05</b> |
| <b>Q.3</b>  | (a) | What is quantitative microscopy? Discuss its importance in standardization of crude drugs.                             | <b>06</b> |
|             | (b) | Give biological source, chemical constituents, method of preparation and uses of agar.                                 | <b>05</b> |
|             | (c) | Describe the role of fertilizers and manures in cultivation of medicinal plants.                                       | <b>05</b> |
| <b>Q.4</b>  | (a) | Give name of different methods of classification of crude drugs. Describe chemical and pharmacological classification. | <b>06</b> |
|             | (b) | Explain importance of fibres in pharmaceutical industries.   | <b>05</b> |
|             | (c) | Write biological sources, chemical constituents and uses of bees wax and Chaulmoogra oil.                              | <b>05</b> |
| <b>Q.5</b>  | (a) | Explain meaning of evaluation of crude drugs. Enlist different methods of it and discuss any one method in detail.     | <b>06</b> |
|             | (b) | Give definition of glycoside, essential oils and resins with examples.   | <b>05</b> |
|             | (c) | Differentiate hydrolysable tannin and non-hydrolysable tannin.   | <b>05</b> |
| <b>Q. 6</b> | (a) | Write note on Pharmacognosy of Tragacanth.   | <b>06</b> |
|             | (b) | Give B.S., Chemical constituents, identification tests, method of preparation and uses of honey.                       | <b>05</b> |
|             | (c) | Write a note on Edible vaccines.   | <b>05</b> |
| <b>Q.7</b>  | (a) | Describe the role of Pharmacognosy in traditional systems of medicine.   | <b>06</b> |
|             | (b) | Give a note on teratogens and natural allergens in brief.  | <b>05</b> |
|             | (c) | Define alkaloids. Write properties and identification test for it.   | <b>05</b> |

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