

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