

GUJARAT TECHNOLOGICAL UNIVERSITY
B.Pharm. - SEMESTER III · EXAMINATION – WINTER -2020

Subject Code: BP305TP**Date: 26/02/2021****Subject Name: Pharmacognosy & Phaytochemistry- I****Time: 02:30PM TO 04:30PM****Total Marks: 54****Instructions:**

1. Attempt any THREE questions from Q-1 to Q-6.
2. Q.7 is compulsory to attempt.
3. Make suitable assumptions wherever necessary.
4. Figures to the right indicate full marks.

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|-------------|-----|---|-----------|
| Q.1 | (a) | Define Pharmacognosy and give its History. | 06 |
| | (b) | Write a note on classification of crude drugs. | 05 |
| | (c) | What are adulterants? Explain in detail about types of adulterants. | 05 |
| Q.2 | (a) | What is evaluation of crude drugs? Explain in detail about Microscopical Evaluation. | 06 |
| | (b) | Discuss advantage and disadvantage of cultivation of medicinal plants. | 05 |
| | (c) | Describe the methods of cultivation of medicinal plants. | 05 |
| Q.3 | (a) | Enlist factor affecting cultivation of medicinal plants. Explain in detail about Soil and Soil fertility. | 06 |
| | (b) | Describe the term polyploidy and hybridization with examples and significance in cultivation of medicinal plants. | 05 |
| | (c) | Define carbohydrates. Give classification, properties and chemical test for it. | 05 |
| Q.4 | (a) | Give details on application of Plant Tissue Culture. | 06 |
| | (b) | Explain in detail about types of tissue culture. | 05 |
| | (c) | Write a note on Edible Vaccines. | 05 |
| Q.5 | (a) | Explain the Objective and Principles of Ayurvedic system of medicine. | 06 |
| | (b) | Define and Classify the alkaloids. Give its chemical tests. | 05 |
| | (c) | Give a note on Natural allergens. | 05 |
| Q. 6 | (a) | Explain in detail about Novel medicinal agent from Marine source. | 06 |
| | (b) | What are teratogenic drugs? Explain in detail. | 05 |
| | (c) | Give Biological source, Family, Chemical constituents and uses of Honey and Castor Oil. | 05 |
| Q.7 | (a) | What are proteolytic enzymes? Explain with examples. | 06 |
| | | OR | |
| | (a) | Write a note on Cotton and Hemp | 06 |
| | | OR | |
| | (a) | Define Glycosides. Classify it and give its chemical properties. | 06 |
