

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.

- 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**
