

GUJARAT TECHNOLOGICAL UNIVERSITY
B.Ph. - SEMESTER-VII • EXAMINATION – WINTER -2022

Subject Code: 2270005**Date:31/12/2022****Subject Name: Pharmacognosy -V****Time:10:30AM TO 01:30PM****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) Write a note on method of preparation of Asava and Arishta. Discuss the parameters for evaluation of these Ayurvedic formulations. **06**
(b) Write a note on plant sources used as pesticides and herbicides. **05**
(c) Give the Pharmacognosy of Gulvel. **05**
- Q.2** (a) Write in detail about plants used under the name of Shankpushpi. **06**
(b) Write in detail about acetate malonate pathway. **05**
(c) Write a note on Shilajit. **05**
- Q.3** (a) Write in detail about shikimic acid pathway. **06**
(b) Give method of preparation of Bhasma. Discuss the standardization of Bhasma. **05**
(c) Write source and importance of alpha hydroxyl acids and fixed oils used in skin care and hair care. **05**
- Q.4** (a) Define and classify the herbal cosmetics. Write in details pharmacognosy of any two plants used for skin cosmetics. **06**
(b) Write in detail about biosynthesis of ephedrine. **05**
(c) Write in detail about mycotoxins. **05**
- Q.5** (a) Give the biosynthesis of Atropin. **06**
(b) Discuss role of PUFA and carotenoids as nutraceuticals. **05**
(c) Draw neat and well labelled diagram of TS of Nagod leaf. **05**
- Q. 6** (a) Write a detailed note on fungal toxins. **06**
(b) Classify and discuss non-saccharide sweeteners of plant origin. **05**
(c) Write a note on photosensitizing agents. **05**
- Q.7** (a) Enlist the alkaloids derived from tyrosine. Write in detail about biosynthesis of a phenanthrene alkaloid. **06**
(b) Give detail information of crude drugs used in the treatment of inflammatory diseases. **05**
(c) Write a note on natural allergens. **05**
