

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
B.PHARM - SEMESTER- 7 EXAMINATION – SUMMER -2023

Subject Code: 2270005

Date: 27/06/2023

Subject Name: Pharmacognosy-V

Time:02.30 p.m. to 5.30 p.m.

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)** Define bhasma? Write a Preparation and evaluation of Bhasma. **06**
(b) Discuss the detail pharmacognosy of Shankpushpi. **05**
(c) Define Nutraceuticals. Give the detail classification of Nutraceuticals. **05**
- Q.2 (a)** Write down detail pharmacognostic profile of Chitrak. **06**
(b) Write in detail about acetate malonate pathway. **05**
(c) Give study of entire herb of Punarnava with different varieties. **05**
- Q.3 (a)** Write in detail about shikimic acid pathway. **06**
(b) Give method of preparation of Churna. Discuss the standardization of Churna. **05**
(c) Describe giving structure biosynthetic pathways for production of vitamin A in the plants. **05**
- Q.4 (a)** Define pesticide and herbicide? Describe any two herbal drug are used in it. **06**
(b) Write in details about any two plant used for herbal cosmetic preparations. **05**
(c) Write a note plant sources used as pesticides and herbicides. **05**
- Q.5 (a)** Write a brief note on biosynthetic pathway of Ergot alkaloids. **06**
(b) Discuss role of PUFA and carotenoids as neutraceuticals. **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 on photosensitizing reaction with photodynamic therapy. **05**
- Q.7 (a)** Write biosynthetic pathway for Menthol. **06**
(b) Write about principle and various drugs used in Homeopathic system of medicine. **05**
(c) Write a note on natural allergens. **05**