

Enrollment No./Seat No.:

GUJARAT TECHNOLOGICAL UNIVERSITY
B.Pharm - SEMESTER - VII EXAMINATION - WINTER 2025

Subject Code: 2270005

Date: 21-11-2025

Subject Name: Pharmacognosy-V

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.**

	Marks
Q.1 (a) Explain in detail the biogenesis of morphine and reserpine.	06
(b) Explain the biosynthesis of menthol or β -amyrin.	05
(c) Describe the biosynthesis of diosgenin and glycyrrhetic acid.	05
Q.2 (a) Discuss fungal toxins of pharmacognostic importance.	06
(b) Define and classify natural allergens with examples.	05
(c) Write a short note on photosensitizing agents.	05
Q.3 (a) Discuss the pharmacognostic and toxicological aspects of herbal pesticides.	06
(b) Explain the role of plant-derived nutraceuticals in disease prevention.	05
(c) Discuss the role of natural ingredients in herbal cosmetic formulations.	05
Q.4 (a) Discuss chemical nature and pharmacological role of plant sweeteners.	06
(b) Write short notes on herbal hair care preparations.	05
(c) Explain preparation and evaluation of Churna and Kwath.	05
Q.5 (a) Explain the holistic concept of Ayurveda and its relevance today.	06
(b) Define Bhasma. Explain preparation, evaluation and characteristic of Bhasma.	05
(c) Describe method of preparation of Ayurvedic formulation taila and write its evaluation parameter.	05
Q.6 (a) Write detailed pharmacognostic study of Punarnava.	06
(b) Discuss the principles of Unani and Siddha systems of medicine.	05
(c) Write B.S., C. C., uses and marketed formulation of Nagod and Shirish.	05
Q.7 (a) What is controversial drug? Explain controversy of Rasna.	06
(b) Draw detail diagram of T. S. of Galo stem.	05
(c) Write B.S., C. C. and pharmacological categories of Kalijiri and shankpushpi.	05
