

GUJARAT TECHNOLOGICAL UNIVERSITY
B.PHARM - SEMESTER- 7 EXAMINATION – SUMMER-2024

Subject Code: 2270005**Date: 16/05/2024****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.

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| Q.1 | (a) Describe in detail acetate mevalonate pathway. | 06 |
| | (b) Explain biogenesis of omega-3-fatty acids in plants. | 05 |
| | (c) Write down biogenesis of ephedrine. | 05 |
| Q.2 | (a) What are natural allergens? Explain different types of natural allergens with suitable examples. | 06 |
| | (b) Write a short note on photosensitizing agents. | 05 |
| | (c) Write a detail note on fungal toxins. | 05 |
| Q.3 | (a) Define nutraceuticals. Write a brief note on nutraceuticals. | 06 |
| | (b) Discuss about plant sweeteners. | 05 |
| | (c) Define pesticides. Classify them with suitable examples. Write essentials of good pesticide. | 05 |
| Q.4 | (a) Classify herbal cosmetics. Describe in detail about hair care cosmetics. | 06 |
| | (b) Give significance and biogenesis of carotenoids in plants. | 05 |
| | (c) Write a detail pharmacognostic note on Guduchi. | 05 |
| Q.5 | (a) Define Asava and Arista. Describe method of preparation and quality control parameters of Arista. | 06 |
| | (b) Write a detail note on Bhasma. | 05 |
| | (c) Write about principle and various drugs used in Homeopathic system of medicine. | 05 |
| Q.6 | (a) Describe in detail the pharmacognostic profile of Shankhpuspi. | 06 |
| | (b) Classify Ayurvedic dosage forms. Describe in detail method of preparation of Churna. | 05 |
| | (c) Explain method of preparation and marketed formulations of Gutika. Enumerate its standardization parameters. | 05 |
| Q.7 | (a) Write biological source, chemical constituents, uses of Nagod and Kalijiri. | 06 |
| | (b) Discuss in detail about Rasna. | 05 |
| | (c) Write a short note on Shilajit. | 05 |
