

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

Subject Code:2270005**Date: 30-11-2024****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.

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| Q.1 | (a) Define Bhasma. Write a preparation and evaluation of Bhasma. | 06 |
| | (b) Explain Shikimic acid pathway with chemistry. | 05 |
| | (c) Write a note on plant sources used as pesticides and herbicides. | 05 |
| Q.2 | (a) Describe acetate mevalonate pathway in detail. | 06 |
| | (b) Give pharmacognosy of Kalijari. | 05 |
| | (c) What are photosensitizing agents? Write a brief note on their use. | 05 |
| Q.3 | (a) Write a short note on omega-3-fatty acid. | 06 |
| | (b) What are natural allergens? Explain different types of natural allergens by giving suitable examples. | 05 |
| | (c) Write a brief note on natural sweeteners including its advantages and disadvantages. | 05 |
| Q.4 | (a) Discuss basic concept and treatment of Homeopathic system of medicine. | 06 |
| | (b) Write a short note on Nutraceuticals. | 05 |
| | (c) Write in detail about any two plant used for herbal cosmetic preparation. | 05 |
| Q.5 | (a) Give biosynthesis of isoquinoline alkaloid of your syllabus. | 06 |
| | (b) Write a note on plant sweeteners. | 05 |
| | (c) Draw neat and well labeled diagram of TS of Nagol. | 05 |
| Q. 6 | (a) Describe in detail memory enhancer fruit drug of your syllabus. | 06 |
| | (b) Write a note on anti-ageing natural cosmeceuticals. | 05 |
| | (c) Write a note on Shilajit. | 05 |
| Q.7 | (a) Discuss in detail about biosynthesis of Quinine. | 06 |
| | (b) Write a detail note on fungal toxin. | 05 |
| | (c) Write down various evaluation parameters for Asava and Arishta. | 05 |
