

Seat No.: \_\_\_\_\_

Enrolment No. \_\_\_\_\_

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**B.Ph. SEMESTER-VII • EXAMINATION – WINTER -2020****Subject Code:2270005****Date: 12/01/2021****Subject Name: Pharmacognosy-V****Time: 10:30AM To 12:30PM****Total Marks: 54****Instructions:**

1. Attempt any **THREE** questions from Q-1 to Q-6.
2. Q.7 is compulsory to attempt.
3. Make suitable assumptions wherever necessary.
4. Figures to the right indicate full marks.

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|-------------|---|-----------|
| <b>Q.1</b>  | (a) Write the pathway of biogenesis of amino acids.   | <b>06</b> |
|             | (b) Give details of drugs having anti-inflammatory action.                                    | <b>05</b> |
|             | (c) Write a note on herbs useful in skin care.  | <b>05</b> |
| <b>Q.2</b>  | (a) Write a note on triterpenoid sweeteners of plant origin.                                  | <b>06</b> |
|             | (b) Give methods of preparation of Asava and Arishta.   | <b>05</b> |
|             | (c) Give details of Dhatakipushpa and discuss its role in traditional fermented preparations. | <b>05</b> |
| <b>Q.3</b>  | (a) Enlist traditional preparations of solid state and discuss their evaluation parameters.   | <b>06</b> |
|             | (b) Write a comparative note on principles of Ayurveda and Siddha.                            | <b>05</b> |
|             | (c) Give details of adaptogenic drugs of your syllabus.                                       | <b>05</b> |
| <b>Q.4</b>  | (a) Discuss mycotoxins of fungal origin.  | <b>06</b> |
|             | (b) Write a note on natural allergens.  | <b>05</b> |
|             | (c) Discuss herbs used in hair care.  | <b>05</b> |
| <b>Q.5</b>  | (a) Give biosynthesis of isoquinoline alkaloid of your syllabus.                              | <b>06</b> |
|             | (b) Give in detail method of preparation and evaluation parameters for Bhasma.                | <b>05</b> |
|             | (c) Discuss role of omega fatty acids in health care.   | <b>05</b> |
| <b>Q. 6</b> | (a) Discuss toxicological risks of alkaloid containing plants.                                | <b>06</b> |
|             | (b) Write a note on herbicides and their importance.  | <b>05</b> |
|             | (c) Give biosynthesis of menthol.   | <b>05</b> |
| <b>Q.7</b>  | (a) Give biosynthesis of alkaloid derived from ornithine.                                     | <b>06</b> |
|             | <b>OR</b>   |           |
|             | (a) Write a note on natural insecticides.   | <b>06</b> |
|             | <b>OR</b>   |           |
|             | (a) Write a note on antioxidant nutraceuticals.   | <b>06</b> |

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