

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.

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