

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
B.PHARM – SEMESTER – 7- EXAMINATION – WINTER - 2018

Subject Code:2270005

Date: 26/11/2018

Subject Name: Pharmacognosy-V

Time:10:30 AM TO 01:30 PM

Total Marks: 80

Instructions:

- 1. Attempt any five all questions.**
- 2. Make Suitable assumptions wherever necessary.**
- 3. Figures to the right indicate full marks.**

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|-------------|---|-----------|
| Q.1 | (a) Write Acetate malonate pathway for biosynthesis of Linoleic acid. | 06 |
| | (b) Explain Shikimic acid pathway with chemistry. | 05 |
| | (c) Write biosynthetic pathway for Menthol. | 05 |
| Q.2 | (a) Define Natural allergens. Brief about various types of allergy caused by natural allergens. | 06 |
| | (b) Write various types of photosensitizing reactions. Explain about common photosensitizing substances. | 05 |
| | (c) Explain toxicological risk of various plant drugs. | 05 |
| Q.3 | (a) Write about role of antioxidants as Nutraceuticals. | 06 |
| | (b) Explain significant role of Polyunsaturated fatty acid (PUFA) and Dietary fibres. | 05 |
| | (c) Write a short note on Omega-3 fatty acids. | 05 |
| Q.4 | (a) Write about herbal skin protectives. Give properties of Ideal skin protective. | 06 |
| | (b) Enlist various cosmetics for Hairs. Explain about herbal shampoos in detail. | 05 |
| | (c) Classify and discuss various plant sweeteners. | 05 |
| Q.5 | (a) Write about various alternative systems of medicine. Explain in brief about therapeutic aspect of Ayurvedic system of medicine. | 06 |
| | (b) Classify various Ayurvedic dosage forms. Explain any two liquid Ayurvedic dosage forms. | 05 |
| | (c) Define Churna. Write general method of preparation for Churna. Give any one marketed churna formulation composition. | 05 |
| Q. 6 | (a) Give study of entire herb of Punarnava with different varieties. | 06 |
| | (b) Write about vernacular name, biological source, chemical constituents and uses of Galo. | 05 |
| | (c) Write a short note on Shilajit. | 05 |
| Q.7 | (a) Define Ghrita, Kwatha and Pisti. | 06 |
| | (b) Write down various evaluation parameters for Asava and Aristha. | 05 |
| | (c) Write about principle and various drugs used in Homeopathic system of medicine. | 05 |
