

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.

- 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 Arishta. **05**  
(c) Write about principle and various drugs used in Homeopathic system of medicine. **05**

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