

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**B.PHARM - SEMESTER- 7 EXAMINATION – WINTER -2019****Subject Code: 2270005****Date: 26-11-2019****Subject Name: Pharmacognosy-V****Time: 10:30AM TO 01:30PM****Total Marks: 80****Instructions:**

1. Attempt any five questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

- Q.1** (a) Describe in detail Acetate mevalonate pathway. **06**  
(b) Write biogenesis of an alkaloid originated from Ornithine and Phenyl alanine in Plants. **05**  
(c) Explain biogenesis of Omega-3-fatty acids in plants. **05**
- Q.2** (a) Write source, chemical constituents, uses and marketed formulations of Galo and Nagod. **06**  
(b) Give significance and biogenesis of Carotenoids in plants. **05**  
(c) Define Nutraceuticals. Write a short note on Dietary fibres. **05**
- Q.3** (a) Describe in detail Memory enhancer fruit drug of your syllabus. **06**  
(b) What are natural allergens? Explain different types of natural allergens citing suitable examples. **05**  
(c) Give a brief account on Shilajit. **05**
- Q.4** (a) Define Ayurveda. Describe holistic concept of drug administration in Ayurveda. **06**  
(b) What is Churna? Discuss standardization parameters and advantages of Churna. **05**  
(c) Explain method of preparation of Taila in detail and enumerate its standardization parameters. **05**
- Q.5** (a) Give source and active constituents of plants which are used as Punarnava. Write morphological differences between Satodi and Satodo. **06**  
(b) Define Pesticides. Classify them with suitable examples. Write essentials of good pesticide. **05**  
(c) Write a note on Plant Sweetners. **05**
- Q. 6** (a) Classify Ayurvedic dosage forms. Describe in detail method of preparation of Bhasma. **06**  
(b) Define Asava and Arista. Describe method of preparation of Arista. Enumerate different quality control parameters of Arishta. **05**  
(c) Describe in detail the pharmacognostic profile of Dhatakipushpa. **05**
- Q.7** (a) Classify Herbal cosmetics. Describe in detail about Skin care cosmetics. **06**  
(b) Give source, morphological characters, microscopical characters and chemical constituents of plants which are used as Rasna. **05**  
(c) Write a short note on Photosensitizing agents. **05**

\*\*\*\*\*