

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
B.PHARM - SEMESTER- 7 EXAMINATION – SUMMER -2019

Subject Code: 2270005**Date: 17-05-2019****Subject Name: Pharmacognosy-V****Time: 02:30 PM TO 05:30 PM****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) Define *bhasma*. Comments: *bhasma* are considered as nanoparticles. How can it be evaluated. **06**
- (b) Write in detail about types of natural allergens with their effects. **05**
- (c) What is ayurveda? Write an introduction and principle of ayurveda. **05**
- Q.2** (a) Define and classify the herbal cosmetics. Write in details pharmacognosy of any two plants used for hair care and skin care cosmetics. **06**
- (b) Write in details about biogenesis via shikimic acid pathway. **05**
- (c) Define and Classify plant sweetener and discuss saccharide sweeteners of plant origin. **05**
- Q.3** (a) Describe giving structure biosynthetic pathways for production of vitamin A in the plants. **06**
- (b) Write on photosensitizing reaction with photodynamic therapy **05**
- (c) Write down detail pharmacognostic profile of *Chitrak* **05**
- Q.4** (a) Define pesticide and herbicide? Describe any two herbal drug are used in it. **06**
- (b) Describe giving structure biosynthetic pathways for production of quinine in plants. **05**
- (c) What is a difference between *Satodi* and *Satodo* **05**
- Q.5** (a) Describe and classify nutraceuticals. Discuss any two drug in detail **06**
- (b) Write in detail about biosynthesis of omega-3-fatty acid. **05**
- (c) Write pharmacognostic profile and marketed formulation of brain tonic drug from your syllabus. **05**
- Q. 6** (a) Define *churna*. Write a evaluation and preparation of *churna*. **06**
- (b) Write down the Synthesis of sugar as primary and secondary metabolites. **05**
- (c) Discuss merits and demerits of *churna* and *kwath churna* as an ayurvedic formulation. **05**
- Q.7** (a) What is *Asava* and *Arishta*? Write a brief note on preparations, merits and demerits of it. **06**
- (b) Write in details about fungal toxins. **05**
- (c) Describe biological source, chemical constituents and uses of *kavach* and unorganized drug of your syllabus **05**
