

GUJARAT TECHNOLOGICAL UNIVERSITY
B.Pharm. SEMESTER-VII • EXAMINATION – WINTER -2021

Subject Code: 2270005**Date:03/12/2021****Subject Name: PHARMACOGNOSY-V****Time: 10:30AM TO 1:30PM****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) Discuss in detail about sources, chemical constituents, uses and market formulations of shankpushpi. **06**
- (b) Draw a detailed morphology and transverse section of nirgundi leaf. **05**
- (c) Write a pharmacognostic note on drug used as an anthelmintic. **05**
- Q.2** (a) Write a note on guduchi. How galo satva is prepared? **06**
- (b) Write a note on satodi. **05**
- (c) Discuss in detail about chitrak and mucuna. **05**
- Q.3** (a) Write a note on herbal drugs used as contact poisons. **06**
- (b) Define natural allergens. Describe different types of allergic reactions produced by them. **05**
- (c) Write a brief note on natural sweeteners including its merits and demerits. **05**
- Q.4** (a) Define Asava and Arishtha. Discuss in detail about its preparation and standardization. **06**
- (b) Differentiate: i) Churna vs Kwatha ii) Taila vs Ghrita **05**
- (c) Discuss basic concept and treatment of siddha system of medicines. **05**
- Q.5** (a) Discuss in detail about acetate mevalonate pathway. Draw structures of secondary metabolites produced by it. **06**
- (b) Write down biogenesis of morphine. **05**
- (c) Write down biogenesis of ephedrine. **05**
- Q.6** (a) Write down biosynthetic pathway for amino acid formation in plants. **06**
- (b) Write a note on application of herbal drugs used in preparation of cosmetics. **05**
- (c) Classify photosensitizing agents. Describe its pharmaceutical application. **05**
- Q.7** (a) Define nutraceuticals. Write a brief note on nutraceuticals. **06**
- (b) Write a pharmacognostic profile of drug belongs to fabaceae family. **05**
- (c) Write a note on shilajit. **05**
