

GUJARAT TECHNOLOGICAL UNIVERSITY
B.Ph. - SEMESTER- VIII • EXAMINATION – WINTER -2021

Subject Code: 2280005**Date: 07/12/2021****Subject Name: Pharmacognosy - VI****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) Write in brief about recent developments of natural Anticancer agents. **06**
(b) Enlist various natural drugs used as antidiabetic agents. Write any one antidiabetic drug in brief. **05**
(c) Give various Memory enhancing natural drugs. Give brief about recent development in natural products used as Tranquilisers **05**
- Q.2** (a) Define Immunomodulators. Mention about various drugs used as immunomodulators. **06**
(b) What is Pharmacovigilance? Write significance of phytopharmacovigilance. **05**
(c) Write a brief note on scope of Herbal drug industry. **05**
- Q.3** (a) Write about pilot scale up technique for Herbal drug industry. **06**
(b) Mention about Schedule T for herbal drug industry. **05**
(c) Write about GMP and ISO-9000 in herbal drug industry. **05**
- Q.4** (a) Describe method for isolation of Sennosides. **06**
(b) Mention about isolation and identification of Vitamin A. **05**
(c) Write about isolation of Morphine. **05**
- Q.5** (a) Write about modern analytical techniques for analysis of herbal drugs. **06**
(b) Mention about various Evaluation parameters for phytopharmaceuticals. **05**
(c) Write about preparation and standardization of Aswagandha extract. **05**
- Q.6** (a) Write about staff and equipment requirement for herbal drug industry. **06**
(b) Describe method for preparation of Turmeric extract and its standardization. **05**
(c) Enlist different herbs and their active constituents useful as Antiasthamatics. **05**
- Q.7** (a) Write a detailed method for isolation of Streptomycin. **06**
(b) Write isolation and identification parameters for Caffeine. **05**
(c) Write a note on preparation of Garlic extract. **05**
