

GUJARAT TECHNOLOGICAL UNIVERSITY
B.Pharm. SEMESTER– VI • EXAMINATION – SUMMER -2021

Subject Code: BP603TP**Date: 05/08/2021****Subject Name: Herbal Drug Technology****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 Biopesticides and their ideal properties. Give their chemical classification. **06**
(b) Explain holistic concept of treatment of Homeopathic system of medicine. **05**
(c) Give a brief note on Processing of Herbal raw material. **05**
- Q.2** (a) Describe health benefits of Garlic and Spirulina. **06**
(b) Classify Ayurvedic dosage forms. Explain method of preparation of Bhasma. **05**
(c) Discuss about salient features of Good Agriculture Practice. **05**
- Q.3** (a) Write about Side effects and drug interactions of Kava-Kava and *Ginko biloba*. **06**
(b) Define Nutraceuticals. Discuss about types of nutraceutical products available in the market. **05**
(c) Discuss about evaluation methods of Herbal tablets. **05**
- Q.4** (a) Define Phytosomes. Discuss in brief about method of preparation of Phytosomes. **06**
(b) Define and classify Binders with suitable examples. Explain Starch as binder. **05**
(c) Write ideal characters of Natural colorants. Give examples of four natural colorants citing their B.S., Chemical constituents and uses. **05**
- Q.5** (a) Discuss about features of WHO guideline for standardization of crude drugs. **06**
(b) Write a note on Stability studies of Herbal drugs. **05**
(c) Give the ideal characteristics of Plant sweeteners. Describe any two natural sweeteners. **05**
- Q.6** (a) Write salient features of Schedule Z of Drugs & Cosmetics Act for ASU drugs. **06**
(b) Define Biopiracy. Give a detailed note on case study of Curcuma. **05**
(c) Describe briefly preparation of documents for Patent right. **05**
- Q.7** (a) Write a note on Machinery and Equipments required for herbal drug industry. **06**
(b) Discuss about Scope of Herbal drug industry. **05**
(c) Write a brief account on Plant based industries and Institutions of India. **05**
