

GUJARAT TECHNOLOGICAL UNIVERSITY
B.PHARM – SEMESTER – VI EXAMINATION – WINTER-2025

Subject Code: BP603TP**Date: 20-11-2025****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) What is Ayurveda? Write a note on principles & treatment involve in Ayurveda. **06**
- (b) Define herb and herbal medicine. Write a note on Selection, identification and authentication of herbs and herbal materials. **05**
- (c) Give the preparation methods and standardization parameters of Asava and Arishta. **05**
- Q.2** (a) Write about Good Agricultural Practices (GAP) in cultivation of medicinal plants briefly. **06**
- (b) Define bio- pesticides and write in detail about any two natural pesticides. **05**
- (c) Define Bhasma. Give method of preparation, ideal characteristics & evaluation parameters for Bhasma. **05**
- Q.3** (a) Define and classify the Nutraceuticals with suitable examples. **06**
- (b) Write a short note on Spirulina & Alfalfa used as Health Foods. **05**
- (c) Give short note on Herbal-Drug interaction. Explain in detail with one suitable example for each of Herb-drug and herb-food interaction. **05**
- Q.4** (a) Define and classify the herbal cosmetics with suitable examples. Give the Pharmacognosy of any two plants used for hair care. **06**
- (b) Mention the health benefits of Nutraceuticals in diabetes & various CVS disorders. **05**
- (c) Enlist the various herbal excipients used in pharmaceutical products and describe in detail about colorant & sweeteners. **05**
- Q.5** (a) Mention about Infrastructural, machinery and equipment requirements for manufacturing unit as per Schedule-T. **06**
- (b) Give the detailed note on herbal phytosomes. **05**
- (c) Define the terms – Patent, IPR, Farmers right, Bio prospecting and Bio piracy. **05**
- Q. 6** (a) Give the names of various herbal formulations available in market and explain in detail about Herbal Syrup with suitable examples. **06**
- (b) Write a note on scope and future prospects of herbal drug industries globally. **05**
- (c) Give the detailed note on patenting aspects of Traditional Knowledge giving Example of Neem. **05**
- Q.7** (a) Write a note on WHO guidelines in quality assignment of herbal drugs. **06**
- (b) Explain terms- ASU DTAB and ASU DCC. Explain in detail about Schedule Z of Drugs and Cosmetics Act for ASU drugs. **05**
- (c) Give the ICH guidelines for safety monitoring& Stability testing of herbal drugs. **05**