

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**B.PHARM – SEMESTER – 6 EXAMINATION – SUMMER-2025**

**Subject Code: BP603TP****Date: 15-05-2025****Subject Name: Herbal Drug Technology****Time: 10.30 AM TO 01.30 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) Write a note on stability testing of herbal drugs as per WHO & ICH guidelines. **06**  
(b) Define following terms. 1) Patent 2) Breeder Rights 3) Farmer rights 4) Bioprospecting and Biopiracy 5) IPR **05**  
(c) Write salient features of Schedule Z of Drugs & Cosmetics Act for ASU drugs. **05**
- Q.2** (a) Give a note on patenting aspects of Traditional Knowledge and Natural Products with reference to Neem. **06**  
(b) Write method of preparation and standardization parameters of Asava and Arishta. **05**  
(c) Define and classify the herbal cosmetics. Write in details on any two plants used for skin cosmetics. **05**
- Q.3** (a) Describe Infrastructural, machinery and equipment requirements as per schedule T. **06**  
(b) Write a note on fixed oils, protective agents, bleaching agents used in herbal formulations. **05**  
(c) Give note on Side effects and drug interactions of following drugs. **05**  
1) Ginseng 2) Ephedra.
- Q.4** (a) Define herb and herbal medicine. Write a note on Selection, identification and authentication of herbs and herbal materials. **06**  
(b) Define Nutraceuticals. Mention benefits of Nutraceuticals in various CVS diseases. **05**  
(c) Give note on Side effects and drug interactions of following drugs. **05**  
1) Kava 2) Hypercium.
- Q.5** (a) Define herbal cosmetic. Write note on herbal origin raw material used as sweetening agent and flavoring agents. **06**  
(b) Write method of preparation and standardization parameters of Lehya and Bhasma. **05**  
(c) Explain Alternative system of Medicine. Write in detail about Homeopathic system of medicine. **05**
- Q. 6** (a) Mention the role of Alfaalfa, and Chicory as health food. **06**  
(b) Write about Good Agricultural Practices (GAP) in cultivation of medicinal plants briefly. **05**  
(c) Enlist various herbal excipients and describe in detail about viscosity builders and perfumes. **05**
- Q.7** (a) Write note on Biopesticides and Bioinsecticides in pest management of medicinal plants. **06**  
(b) Define pesticides and write in detail any two natural pesticides. **05**  
(c) Write a note on herbal phytosomes. **05**

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