

GUJARAT TECHNOLOGICAL UNIVERSITY
B.Pharm. - SEMESTER-VI • EXAMINATION – WINTER -2022

Subject Code: BP603TP**Date: 30/12/2022****Subject Name: Herbal Drug Technology****Time: 02:30PM TO 05:30PM****Total Marks: 80****Instructions:**

1. Attempt any five questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

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| Q.1 | (a) Define pesticides and write in detail any two natural pesticides. | 06 |
| | (b) Define herb and herbal medicine. Write a note on Selection, identification and authentication of herbs and herbal materials. | 05 |
| | (c) What is Ayurveda? Write a note on principles of Ayurveda. | 05 |
| Q.2 | (a) Define and classify the Nutraceuticals. | 06 |
| | (b) Define interaction and its classification. | 05 |
| | (c) Discuss in detail about prebiotics and PUFA. | 05 |
| Q.3 | (a) Discuss in detail about protective agents and bleaching agents used in herbal cosmetic formulations. | 06 |
| | (b) Write a note on fixed oils, waxes, gums used in herbal formulations. | 05 |
| | (c) Give the detail note on plants used as binders and diluents. | 05 |
| Q.4 | (a) Write a note on stability testing of herbal drugs as per WHO & ICH guidelines. | 06 |
| | (b) Explain Case study of Curcuma in context to patenting aspects of Traditional Knowledge and Natural Products | 05 |
| | (c) Write a note on regulation of manufacture of ASU drugs. | 05 |
| Q.5 | (a) Write a note on concept of Schedule T. | 06 |
| | (b) Write a note on scope of herbal drug industries. | 05 |
| | (c) Discuss about requirement of infrastructure and equipments for herbal drug industry. | 05 |
| Q.6 | (a) Write method of preparation and standardization parameters of Asava and Arishta. | 06 |
| | (b) Write a note on herbal phytosomes. | 05 |
| | (c) Explain the different methods of pest control. | 05 |
| Q.7 | (a) Define and classify the herbal cosmetics. Write in details on any two plants used for skin cosmetics. | 06 |
| | (b) Discuss on regulatory parameters for permitted colors and flavors used in herbal cosmetics. | 05 |
| | (c) Define Bhasma. Write down its method of preparation. | 05 |