

GUJARAT TECHNOLOGICAL UNIVERSITY
B.Ph. - SEMESTER– VI EXAMINATION – SUMMER -2022

Subject Code:BP603TP**Date: 07/06/2022****Subject Name: HERBAL DRUG TECHNOLOGY****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.

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| Q.1 | (a) Define following term:
i) Herbal medicine, ii) Herbal medicinal product, iii) Herbal drug preparation, iv) Biopesticides, v) Ayurvedic formulation vi) Homeopathy | 06 |
| | (b) Explain Identification and authentication of Herbal materials. | 05 |
| | (c) Write a note on Good Agricultural practices in cultivation of medicinal plants. | 05 |
| Q.2 | (a) What is Ayurveda? Discuss the holistic concepts of Ayurvedic system of Medicine. | 06 |
| | (b) Write a note on method of preparation of Asava and Arishta. Discuss the parameters for evaluation of these Ayurvedic formulations. | 05 |
| | (c) Write a note on preparation and evaluation of Bhasma. | 05 |
| Q.3 | (a) Define Nutraceutical. Discuss market, growth and scope of Nutraceutical products. | 06 |
| | (b) Describe Role of Nutraceutical in Diabetes and Cancer. | 05 |
| | (c) Explain following drugs with their side effect and interaction i) Hypercium ii) kava-kava iii) Pepper iv) Ginseng, v) Garlic | 05 |
| Q.4 | (a) Discuss Sources and description of fixed oils and gums in Skin care products. | 06 |
| | (b) Explain raw materials used as Perfumes and antioxidant in hair care products. | 05 |
| | (c) Write a note on the natural colorants and sweeteners used as excipients | 05 |
| Q.5 | (a) Write the formulation and Evaluation parameter of Herbal tablet and herbal Syrup. | 06 |
| | (b) Explain Phytosomes in detail. | 05 |
| | (c) Discuss the Stability testing parameters of herbal drugs. | 05 |
| Q.6 | (a) Define following term
i) Patent, ii) IPR, iii) Farmers right, iv) Breeders right, v) Bioprospecting, vi) Biopiracy | 06 |
| | (b) Explain patenting aspects of Traditional Knowledge and Natural Products. | 05 |
| | (c) Discuss case studies of Curcuma and Neem with patenting aspect. | 05 |
| Q.7 | (a) Explain the components of Schedule T. | 06 |
| | (b) Discuss the scope and future prospects of Herbal drug industry. | 05 |
| | (c) Write a note on plant based industries and institution in India with examples. | 05 |
