

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

Subject Code: BP603TP**Date: 29/11/2021****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 Churna. Describe in detail method of preparation and standardization of churna. | 06 |
| | (b) Define Bhasma. Describe in detail method of preparation of Bhasma. Describe quality control parameters for Bhasma. | 05 |
| | (c) Define pest. Discuss the different methods used for the pest control. | 05 |
| Q.2 | (a) Define Aristhas and Asawas. Write down method of preparation and standardization of Asawas. | 06 |
| | (b) Define Herbal Medicine. Mention in detail about various sources of Herbs. | 05 |
| | (c) What is Ayurveda? Write in detail about basic concept of ayurvedic system. | 05 |
| Q.3 | (a) Define and classify the herbal cosmetics. Write down pharmacognosy of any plant used for skin cosmetics. | 06 |
| | (b) Write a note on herbal shampoo. | 05 |
| | (c) Write a short note on Herbal excipients. | 05 |
| Q.4 | (a) Define Neutraceuticals. Write down its classification with examples. | 06 |
| | (b) Write about Herbal-Drug interaction. Explain in detail one example each of Herb-drug and herb-food interaction. | 05 |
| | (c) Name different herbs and their active constitute which are useful as hepatoprotective or hypolipidemic. | 05 |
| Q.5 | (a) Write a note on WHO guidelines in quality assignment of herbal drugs. | 06 |
| | (b) Elaborate on ICH guidelines for safety monitoring of natural products. | 05 |
| | (c) Give a brief account of Plant based Industries and various institutions involved in work on medicinal and aromatic plants in India. | 05 |
| Q. 6 | (a) Write a note on plant sweetening agents. | 06 |
| | (b) Define any two: (i) IPR (ii) Biopiracy (iii) Patent | 05 |
| | (c) Write about Good Agricultural Practices (GAP) in cultivation of medicinal plants briefly. | 05 |
| Q.7 | (a) Discuss about requirement of infrastructure, staff and equipments for herbal drug industry. | 06 |
| | (b) Explain in detail about herbal phytosomes. | 05 |
| | (c) Explain term AST DTAB and ASU DCC. Explain in detail about Schedule Z of Drugs and Cosmetics Act for ASU drugs. | 05 |
