

B. Pharmacy (Semester – 6th)
HERBAL DRUG TECHNOLOGY
Subject Code: BP603T
Paper ID: 17170131

Time: 03 Hours

Maximum Marks: 75

Instruction for candidates:

1. Section A is compulsory. It consists of 10 parts of two marks each.
2. Section B consist of 9 questions of 5 marks each. The student has to attempt any 7 questions out of it.
3. Section C consist of 3 questions of 10 marks each. The student has to attempt any 2 questions.

Section – A

(2 marks each)

- Q1. Attempt the following:
- a) Mention two regulatory bodies for herbal drug regulation in India.
 - b) List any two herbs used as health food and their benefits.
 - c) Give biological source of two bioinsecticides used in medicinal plant cultivation.
 - d) Explain herb-drug interaction with an example.
 - e) What is the importance of stability testing in herbal drugs?
 - f) Define patent and IPR.
 - g) Discuss the process of preparation of churna.
 - h) Define herbal medicinal products and herbal drug preparation.
 - i) What are the components of GMP (Good Manufacturing Practices) as per Schedule T?
 - j) What are herbal excipients? Give two examples.

Section – B

(5 marks each)

- Q2. Explain the process of selection, identification, and authentication of herbal materials.
- Q3. Describe the preparation and standardization of Ayurvedic formulations such as Aristas and Asawas.
- Q4. Discuss the role of nutraceuticals in managing cardiovascular diseases.
- Q5. What are the side effects and interactions of Ginseng and Ephedra in herbal formulations?
- Q6. Explain the significance of natural-origin excipients like sweeteners and viscosity builders in herbal formulations.
- Q7. What are the infrastructural requirements for GMP compliance in the herbal drug industry?
- Q8. Discuss the patenting aspects related to traditional knowledge with reference to Curcuma.
- Q9. Explain the regulatory requirements for manufacturing ASU drugs as per Schedule Z of the Drugs & Cosmetics Act.
- Q10. Describe the WHO guidelines for the evaluation of herbal drugs.

Section – C

(10 marks each)

- Q11. Explain in detail the principles of Ayurveda, Siddha, Unani, and Homeopathy systems of medicine.
- Q12. Discuss the herbal drug industry in India. Highlight its current scope and future prospects.
- Q13. Explain the concept of biodynamic agriculture. Discuss its principles, practices, and significance in the cultivation of medicinal plants.