

**Roll No.**

**Total No. of Pages : 02**

**Total No. of Questions : 13**

**B.Pharm (Sem.-6)**

# HERBAL DRUG TECHNOLOGY-THEORY

**Subject Code : BP-603T**

**M.Code : 77988**

**Date of Examination : 09-01-23**

**Time : 3 Hrs.**

**Max. Marks : 75**

**INSTRUCTIONS TO CANDIDATES :**

1. **SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.**
2. **SECTION-B contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.**
3. **SECTION-C contains NINE questions carrying FIVE marks each and students have to attempt any SEVEN questions.**

## SECTION-A

**1. Answer the following :**

- a) Write the functions of ASUDCC.
- b) What are the provisions of Breeder's Right?
- c) What are the objectives of Schedule T?
- d) Write about challenges in stability testing of herbal drugs.
- e) Write basic principles of Homoeopathic System of Medicine.
- f) Write two examples of Natural flavouring agents.
- g) Differentiate between Traditional and Non-traditional Nutraceutical products.
- h) Mention health benefits of Ginseng.
- i) What is the role of DNA in authentication of herbal material?
- j) Distinguish between Pharmacodynamic and Pharmacokinetic interactions.

## SECTION-B

2. Explain briefly the process of patent filing. Discuss patenting aspects of traditional knowledge and natural products.
3. What are the advantages of novel dosage forms over conventional dosage forms? Discuss the method of preparation and applications of Phytosomes.
4. Discuss the role of nutraceuticals in management of Diabetes and Cancer.

## SECTION-C

5. Discuss various components of Schedule T.
6. Give an account on plant based industries involved in work on medicinal and aromatic plants in India.
7. Explain interactions and side effects of Garlic.
8. Explain the role of herbs in skin care with special emphasis on Fixed oils and Antioxidants.
9. Give an overview about WHO guidelines for the assessment of herbal drugs.
10. Discuss the role of gums and mucilages as herbal excipients.
11. Mention steps involved in preparation of Arishtas and Asavas.
12. Define the term '*Herb*' as per WHO guidelines. Explain various sources of Herbs.
13. Write techniques used in Organic Farming.

**NOTE : Disclosure of identity by writing mobile number or making passing request on any page of Answer sheet will lead to UMC against the Student.**