

Supply

Time: Three Hours

Max. Marks: 75 Marks

HERBAL DRUG TECHNOLOGY

Q.P. CODE: 5025

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary.
All the Questions are compulsory.

LONG ESSAYS

2 x 10 = 20 Marks

1. Describe in detail the morphological and microscopical methods of identification and authentication of herbal materials.

OR

Write different herbal liquid formulations. Give a detailed account on preparation, standardization and preservation of herbal syrups.

2. Write a detailed note on patenting of traditional knowledge and natural products with examples.

SHORT ESSAYS

7 x 5 = 35 Marks

3. Discuss the objectives and components of GMP.

OR

Classify biopesticides with examples. What are the advantages of biopesticides?

4. Define and classify nutraceuticals with examples.

OR

Explain the health benefits and role of nutraceuticals in irritable bowel syndrome and gastric diseases.

5. Describe the possible side effects and interactions of ginkobiloba and ginseng.
6. What is the role of bleaching agents and protective agents from herbs in the preparation of cosmetics? Explain with examples.
7. Write a note on phytosomes.
8. Explain the WHO guidelines for the assessment of herbal drugs.
9. Explain about documentation and record maintenance as per Schedule Z.

SHORT ANSWERS

10 x 2 = 20 Marks

10. Define herbal medicinal product and herbal drug preparation.
11. What are traditional medicines? Name any two Ayurvedic formulations.
12. What are the source, active constituents and uses of alfalfa?
13. Mention the source, active constituents and uses of Amla.
14. Give the source, chemical constituents and uses of Soapnut in herbal cosmetics.
15. Name two herbs used for dental care and give their biological source.
16. Give the characteristics of herbal hair dyes.
17. What do you mean by farmer's right and breeder's right?
18. What is bioprospecting and Biopiracy?
19. Name any two plant-based industries and research institutions in India.
