

**III/IV B. PHARMACY (Supple) EXAMINATIONS, NOV/ DEC - 2022****Sixth Semester****HERBAL DRUG TECHNOLOGY - THEORY**

Time : Three Hours

Maximum : 75 Marks

**SECTION - A****Answer any FIVE Questions.****5x10 = 50 M**

1. Enlight about Good agricultural practices in cultivation of medicinal plants ?
2. Discuss the basic principles involved in Ayurveda & Sidda system of medicine ?
3. Explain the health benefits & role of Nutraceuticals in diseases like Diabetes, Gastro intestinal diseases and Irritable bowel syndrome ?
4. Discuss the importance of following herbs as health food.
  - a) Garlic.
  - b) Honey.
  - c) Alfalfa.
5.
  - a) Enlight about fixed oils, gums, waxes originated from herbs.
  - b) Give a note on colourants & sweeteners originated from plants ?
6. Enumerate WHO guidelines for assessment of herbal drugs and add a note on stability testing of herbal drugs.
7.
  - a) Discuss in detail about Infrastructural requirement for manufacture of herbal medicinal products.
  - b) Give a brief account on standard operating procedures involved in manufacture of herbal medicinal products ?

**SECTION - B**

**Answer any FIVE Questions.**

**5x5 = 25 M**

8. Discuss about present scope & future prospects of herbal drug industry ?
9. Write a note on Schedule 2 of drugs & cosmetics act for ASU drugs ?
10. Write about patenting aspects and traditional knowledge of Natural products ?
11. Explain the formulation of herbal syrups.
12. Define Bioprospecting & Biopiracy and add a note on Farmer's right ?
13. Give a brief account on viscosity builders disintegrants & perfumes from natural origin.
14. Discuss possible side effects & interactions of Ginseng ?



## III/IV B. PHARMACY DEGREE EXAMINATIONS, JUNE / JULY -2022

## Sixth Semester

## HERBAL DRUG TECHNOLOGY - THEORY

Time : Three Hours

Maximum : 75 Marks

## SECTION - A

Answer any FIVE Questions.

5x10 = 50 M

1. a) Discuss the procedure for selection, identification and authentication of herbal materials ?  
b) Define herb & herbal medicine.
2. Describe the following :  
a) Organic farming & organic manures.  
b) Pest management in medicinal plants.
3. Outline the aspects like growth, market, scope & types of products available in the market related to Nutraceuticals ?
4. a) What are herb-food & herb-drug interactions and classify the interactions ?  
b) List out the possible side effects & interactions of Ephedra ?
5. Write the significance of herbal raw material in formulation of skin care products & add a note on various herbal materials used along with examples.
6. Discuss the patenting & regulatory requirements of natural products in detail.
7. a) Explain the objectives & components of GMP of Indian systems of Medicine ?  
b) Describe the Documentation Protocol in herbal drug industry.

## SECTION - B

Answer any FIVE Questions.

5x5 = 25 M

8. Describe the procedure for preparation & standardization of Lehya & Bhasma.
9. Give a brief note on Biopesticides.
10. Discuss the health benefits & role of Nutraceuticals in Cancer.
11. Explain the benefits of Pengreek & Ashwagandha as herbal healthy food ?
12. Outline the herbal raw materials used as oral hygiene products ?
13. Discuss the procedure for assessment of herbal drugs according to ICH guidelines ?
14. Enlight about plant based institutions involved in work on medicinal & aromatic plants in India.





**III/IV B. PHARMACY (SUPPLY) DEGREE EXAMINATIONS,  
FEBRUARY- 2022  
Sixth Semester**

**HERBAL DRUG TECHNOLOGY - THEORY**

Time : **Three Hours**Maximum : **75 Marks**

**SECTION - A**

**Answer any FIVE Questions.**

**5x10 = 50 M**

1. Write in detail on sources of herbs. Add a note on selection of herbal material for preparation of drugs.
2. a) What are Nutraceuticals ? Describe any two official herbs used as Nutraceuticals.  
b) Write detail analytical profile of Brahmi herb.
3. a) Explain WHO guidelines for the assessment of herbal drugs ?  
b) What is the scope of herbal drug industry in India with reference to medicinal and aromatic plants ?
4. a) What are phytosomes ? Explain method of preparation and their evaluation.  
b) Explain schedule Z of drugs and cosmetics act for ASU drugs and explain the patenting aspects of traditional knowledge giving a detailed study on case study of Curcuma ?
5. Write in detail on nutraceuticals used for the management of cancer.
6. Discuss the step wise process involved in filing patent for a herbal product.
7. Write in detail on herbal sweeteners and colorants.

**SECTION - B**

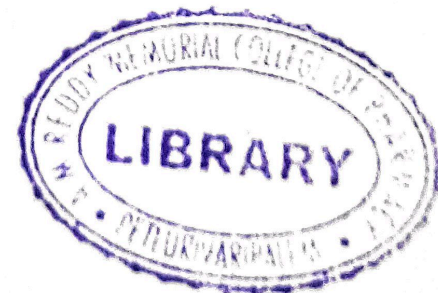
**Answer any FIVE Questions.**

**5x5 = 25 M**

8. "herbal drugs are safer than synthetic drugs" Justify it.
9. What are the pest control methods used for the cultivation of medicinal plants ?

**[ P.T.O.]**

10. Write the Principles involved in Ayurveda and Homeopathy ?
11. Explain the health benefits of honey and galic in the treatment of various ailments ?
12. Differentiate herbal verses conventional drugs with suitable examples.
13. Describe herbal excipients with classification and examples. Explain in detail about oral hygienic products.
14. Write the different methods used for determination of Ash Value ?



**III/IV B.PHARMACY (Supply) DEGREE EXAMINATIONS, MARCH-2021****Sixth Semester****B.PHARMACY****HERBAL DRUG TECHNOLOGY-Theory****Time: Three Hours****Maximum marks:75****SECTION-A****Answer any FIVE Questions****5X10=50M**

1. Discuss in detail about the significance of GAP guidelines for cultivation of medicinal plants.
2. Compare and contrast the basic principles of Ayurveda, siddha, unani and Homeopathy systems of medicine.
3. Explain the health benefits and nutraceuticals contribution for treating IBS and GID.
4. a) Discuss the role of herbals in cosmeceuticals.  
b) Write the applications of natural excipients in herbal formulations.
5. What is patent? Add a note on patent Filing regulations for natural products in India.
6. Discuss the scope and challenges of regulatory authorities in manufacturing of ASU drugs.
7. Explain the following:
  - a) Components of CGMP of Indian systems of medicine
  - b) Phytosomes

**SECTION-B****Answer any FIVE Questions****5X5=25M**

8. Explain the procedures for preparation and standardisation of Aristas and Bhasma.



9. Discuss about
  - a) Significances of nutraceuticals in health care systems
  - b) Ginseng and Ashwagandha.
10. Explain about the following
  - a) Bleaching agents.
  - b) Antioxidants.
  - c) Colorants.
  - d) Sweetneres
11. Give a brief note on Bioprospecting and Biopiracy of natural products.
12. Describe the Herb based industries involved in work on aromatic plants.
13. Explain about regulatory and quality control provisions for ASU and H drugs.
14. Explain about possible harmful effects and interactions of Garlic, pepper, Kava-Kava and Ephedra.

