

**B.Pharm III Year II Semester (R19) Regular Examinations July/August 2022**  
**HERBAL DRUG TECHNOLOGY**

Time: 3 hours

Max. Marks: 75

**PART – A**  
 (Compulsory Question)

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- 1 Answer the following: (10 X 02 = 20 Marks)
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| (a) What are Bhasma and Lehya?   | 2M |
| (b) What is the basic principle involved in unani system?                              | 2M |
| (c) Mention the uses of Alfalfa as a nutraceutical.                                    | 2M |
| (d) What are herb-drug interactions? Give two examples.                                | 2M |
| (e) Write the characteristics of hair dyes.  | 2M |
| (f) Give the source and active principles of a natural diluent.                        | 2M |
| (g) Define IPR and Patent.   | 2M |
| (h) What is meant by Breeder's right?  | 2M |
| (i) Name the components of GMP for herbal drugs.                                       | 2M |
| (j) Which institutions are involved in work on medicinal and aromatic plants in India? | 2M |

**PART – B**

(Answer any two questions: 02 X 10 = 20 Marks)

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|---|--|-----|
| 2 | Explain the principle, diagnosis and methods of treatment in ayurveda and homeopathy system of medicine. | 10M |
| 3 | Describe the herbs used in skin care in detail with examples.  | 10M |
| 4 | Give a detailed account on regulations as per Schedule Z on manufacture of ASU drugs.                    | 10M |

**PART – C**

(Answer any seven questions: 07 X 05 = 35 Marks)

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|----|---|----|
| 5  | Write different methods for processing of herbal raw materials and explain storage of herbal drugs with examples. | 5M |
| 6  | Give the preparation and standardization of Asavas involved in ayurvedic formulations.                            | 5M |
| 7  | Explain the health benefits and role of ashwagandha and ginseng as nutraceuticals.                                | 5M |
| 8  | Give the side effects and interactions of Pepper and Ephedra.   | 5M |
| 9  | Write a short note on phytosomes.   | 5M |
| 10 | Write a short note on flavoring agents and perfumes as herbal excipients.   | 5M |
| 11 | Discuss the case study of Neem and Curcuma in patenting.  | 5M |
| 12 | Write a note on stability testing of herbal drugs.  | 5M |
| 13 | Explain about equipment and storage space requirements of herbal drug industry as per Schedule T.                 | 5M |

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