

**BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI
(END SEMESTER EXAMINATION)**

**CLASS: B. PHARM
BRANCH: PHARMACY**

**SEMESTER: VI
SESSION: SP/2023**

SUBJECT: BP603T HERBAL DRUG TECHNOLOGY

TIME: 3.00 Hours

FULL MARK: 75

INSTRUCTIONS:

1. The missing data, if any, may be assumed suitably.
2. Before attempting the question paper, be sure that you have got the correct question paper.
3. Tables/Data handbook/Graph paper etc. to be supplied to the candidates in the examination hall.
4. This question paper consists of (03) three parts. Read the part wise instructions before attempting the questions.

PART-I

Objective types questions (Instruction: Answer all questions)

Q1. (10 x 2 = 20 Marks)

- A. Define Herbs and Herbal medicine.
- B. What is organic farming? Write down the advantage of it.
- C. Define Herbal cosmetics. Enlist the name of fifteen marketed herbal cosmetics.
- D. What are excipients? Give the examples of natural excipients.
- E. Explain the importance of the following terms.
 - i) Organoleptic characters
 - ii) Physical characters
- F. Describe the markers and their role.
- G. Write down the significant role of amla as a health food.
- H. How would you define biopiracy and bioprospecting?
- I. Explain the following terms IPR and Patents.
- J. Write down the importance of aromatic preparation.

PART-II

Short Answers

(Instruction: Answer seven out of nine questions)

(7 x 5 = 35 Marks)

2. Describe the basic principles involved in the Ayurvedic system of medicine.
3. Explain the role of nutraceuticals in the management of Gastrointestinal diseases.
4. Describe the method of preparation and evaluation of phytosomes.
5. What are healthy foods? Give a detailed account of Spirulina.
6. What do you mean by evaluation of drugs? Explain any one parameter.
7. Write a note on skin care herbal cosmetics & Hair care herbal cosmetics with examples
8. Describe the method of preparation of Bhasma.
9. Write a short note on Herbal Drug Technology.

PART-III

Long Answers

(Instruction: Answer two out of three questions)

(2 x 10 = 20 marks)

Q11. Briefly Explain good agriculture practices in cultivation of medicinal plants. What is organic farming? Give its importance and objectives.

Q12. Explain preparation and standardization of Aristas and Asava.

Q13. Explain the components of GMP.