

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

CLASS: B.PHARM
BRANCH: PHARMACY

SEMESTER: VI
SESSION: SP25

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 hand book/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)
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| A. Define Herbs and Herbal medicine. | CO1 L1 |
| B. What is organic farming? Write down the advantage of it. | CO1L1 |
| C. Define Herbal cosmetics. Enlist the name of ten marketed herbal cosmetics products. | CO3 L1 |
| D. What are advantages of novel drug delivery system. | CO3 L1 |
| E. Explain the importance of the following terms.
i) Microscopical evaluation of plant drug
ii) Physical evaluation of plant drug | CO1L2 |
| F. Describe the role of markers. Give examples of markers. | CO1L2 |
| G. Write down the two significant benefits of Alfalfa. | CO2L3 |
| H. What is Pest? Give some harmful effects of chemical pesticides | CO5 L2 |
| I. Define Bhasma? What is the importance of Sodhana and Marana in the preparation. | CO5 L2 |
| J. Write down the importance of simple syrup preparation. | |

PART-II

Short Answers

(Instruction: Answer seven out of nine questions)

(7 x 5 = 35 Marks)

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|---|--------|
| Q2. Describe the basic principles involved in the Ayurvedic system of medicine. | CO1L2 |
| Q3. Give the role of nutraceutical in the management of Diabetes. | CO2 L2 |
| Q4. What is stability? Explain stability testing of herbal drugs. | CO3L2 |
| Q5. What are healthy foods? Give a detailed account of Spirulina and chicory. | CO2L2 |
| Q6. What do you mean by evaluation of drugs? Explain any one parameter. | CO4L2 |
| Q7. Discuss the objectives and components of GMP. | CO3L2 |
| Q8. Define and describe the method of preparation of Gutika and Churna. | CO1L2 |
| Q9. Write a note on raw materials used for skin care & hair care. | CO3 L2 |
| Q10. How will you prepare and evaluate any herbal formulation. Explain with suitable example. | CO3 L2 |

PART-III

Long Answers

(Instruction: Answer two out of three questions)

(2 x 10 = 20 marks)

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| Q11. Define Phytosome? Write down the method of preparation and evaluation of Phytosome. | CO3L2 |
| Q12. Explain the principle, preparation and standardization of Aristas and Asava. | CO1L2 |
| Q13. Discuss in detail about Infrastructure requirements, working space, storage area, machinery and equipment, health and hygiene, documentations and records as per GMO. | CO5L2 |

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