

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

CLASS: B.PHARM
BRANCH: PHARMACY

SEMESTER : VII
SESSION : MO/18

SUBJECT: PS7413 HERBAL DRUG FORMULATION & STANDARIZATION

TIME: 3:00 HRS.

FULL MARKS: 60

INSTRUCTIONS:

1. The question paper contains 7 questions each of 12 marks and total 84 marks.
 2. Candidates may attempt any 5 questions maximum of 60 marks.
 3. The missing data, if any, may be assumed suitably.
 4. Before attempting the question paper, be sure that you have got the correct question paper.
 5. Tables/Data hand book/Graph paper etc. to be supplied to the candidates in the examination hall.
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- Q.1(a) Discuss the prospects of Traditional medicine. [2]
Q.1(b) Explain the regulatory status of herbal medicines of any country. [4]
Q.1(c) Write down the method of formulation of Arista and Asava. [6]
- Q.2(a) Discuss the importance of GMP of herbal formulation. [2]
Q.2(b) Write down the Organoleptic and morphological characters of any drug. [4]
Q.2(c) Discuss the microscopic features of any two leaf drugs with diagram. [6]
- Q.3(a) Write down the name of ten marketed ayurvedic formulations. [2]
Q.3(b) How will you identified a crude drug on the basis of chemical parameters? [4]
Q.3(c) Write down the method of formulatation and evaluation of any herbal product. [6]
- Q.4(a) Write down the name of some marketed herbal cosmetics formulations. [2]
Q.4(b) How many components are present in Trifla? Write the method of preparation of it. [4]
Q.4(c) Write short notes on method of determination of microorganisms. [6]
- Q.5(a) Define the term stomatal index. [2]
Q.5(b) Write down the limit test for Arsenic. [4]
Q.5(c) How will you perform limit test for Cadmium and Lead? [6]
- Q.6(a) Discuss the importance of evaluation of biological parameters. [2]
Q.6(b) Explain the method of preparation of TLC. [4]
Q.6(c) Write short notes on following [6]
i) NMR ii) Mass spectrometry iii) Paper chromatography
- Q.7(a) Write the significance of evaluation of ash value. [2]
Q.7(b) Write down the biological source and uses of following drugs [4]
i) Digoxin ii) Vincristine
- Q.7(c) Write down the biological source of Podophyllotoxin and How will you isolate of atropine? [6]

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