

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

CLASS: B.PHARM
BRANCH: PHARMACY

SEMESTER : VII
SESSION : MO/19

SUBJECT: PS7413 HERBAL FORMULATION AND STANDARDIZATION

TIME: 3.00Hrs.

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) Write down the importance of traditional formulations. [2]
Q.1(b) Explain the regulatory status of herbal medicine in India. [4]
Q.1(c) Write down the method of preparation, characteristic, precaution and preservation of arista or Asava. [6]
- Q.2(a) Write down the name of marketed ten ayurvedic products. [2]
Q.2(b) Explain the importance of GMP for herbal formulations. [4]
Q.2(c) How will you identify a powder leaf drug using microscopic method? Explain with diagram. [6]
- Q.3(a) Write down the name of ten marketed herbal products. [2]
Q.3(b) Discuss the morphological characteristic of bark and leaf crude drugs. [4]
Q.3(c) Evaluate the raw material on the basis of physical parameters. [6]
- Q.4(a) What is gutika or vati? Give examples. [2]
Q.4(b) Describe in brief about chemical method of evaluation of raw materials. [4]
Q.4(c) Write down the method of preparation of any herbal dosage form. [6]
- Q.5(a) Write down the biological source of Vincristine and Digitoxin. [2]
Q.5(b) Write short notes on Podophyllotoxin. [4]
Q.5(c) Explain the general method of isolation and extraction of phytoconstituents employed in Industries. [6]
- Q.6(a) Write down the application of HPTLC. [2]
Q.6(b) Differentiate between IF and FTIR. [4]
Q.6(c) Explain the principle of mass spectroscopy. [6]
- Q.7(a) Explain the schematic diagram of HPLC instrument. [2]
Q.7(b) Write down the advantage and disadvantages of FTIR. [4]
Q.7(c) Write short notes on Gas chromatography. [6]

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