

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

CLASS: M.PHARM
BRANCH: PHARMACOGNOSY

SEMESTER : I
SESSION : MO/19

SUBJECT: MPG102T ADVANCED PHARMACOGNOSY-I

TIME:

FULL MARKS: 75

INSTRUCTIONS:

1. The question paper contains 7 questions each of 15 marks and total 105 marks.
 2. Candidates may attempt any 5 questions maximum of 75 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) Summarise as a whole the importance of Pharmacognosy in herbal drug industry. [7]
Q.1(b) Mention Ex-situ and In-situ conservation of Medicinal plants in general. [8]
- Q.2(a) Give an account of cardiovascular drugs from marine sources. Write in details about marine peptides with examples. [7]
Q.2(b) What do you mean by the term Marine toxins? Write a note on Marine toxins. [8]
- Q.3(a) Define Nutraceuticals. Discuss importance of nutraceuticals in general. [7]
Q.3(b) How will you proceed for formulations and standardizations of nutraceuticals? [8]
- Q.4(a) What is Phytopharmaceuticals? Discuss in details Taxol as Phytopharmaceuticals. [7]
Q.4(b) Write a short note on Shatavarins. [8]
- Q.5(a) Mention WHO guidelines for safety monitoring of natural medicines. [7]
Q.5(b) Explain bio drug-drug interactions citing some examples. [8]
- Q.6(a) Mention occurrence, characteristic features, chemical nature and uses of Rutin. [7]
Q.6(b) General method of isolation and purification of natural products. [8]
- Q.7 Write short notes on : [15]
a) Good collection practices.
b) Macro and Micro nutrients.
c) α and β carotene.
d) AYUSH guidelines.

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