

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

CLASS: M. PHARM
BRANCH: PHARMACY

SEMESTER : II
SESSION : SP/19

SUBJECT: MPG202T ADVANCED PHARMACOGNOSY

TIME: 3 HOURS

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) Describe Hippocratic screening of natural products. How results are interpreted and evaluated? [7]
Q.1(b) Classify wounds and healing process. Discuss different models for the screening of anti-microbial agents. [8]
- Q.2(a) Classify ulcers. What methods are available for anti-ulcer activity? Give a common method of evaluation. [7]
Q.2(b) What different methods are there for screening anti-cancer drugs? How we evaluate liver carcinogenesis? [8]
- Q.3(a) Explain the procedure of sampling in testing of herbal drugs. [7]
Q.3(b) What is the significance of different Ash values and their methods of determination? [8]
- Q.4(a) What is the significance of bitterness value and haemolytic activity and write their method of determination? [7]
Q.4(b) How the swelling index and foaming index determined and write their significance? [8]
- Q.5(a) Write the importance and methods of determination of different Extractive values. [7]
Q.5(b) Write the significance and methods of determination of water and volatile matter. [8]
- Q.6(a) What are advantages and disadvantages of Bio-prospecting? [7]
Q.6(b) Explain different causes and measures of Adulteration. [8]
- Q.7(a) Write the importance and methods of determination of pesticide and aflatoxin in herbal drugs. [7]
Q.7(b) Explain different analytical techniques used for analysis of herbal drugs. [8]

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