

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

CLASS: M.PHARM
BRANCH: PHARMACOGNOSY

SEMESTER : II
SESSION : SP/25

SUBJECT: MPG202T ADVANCED PHARMACOGNOSY

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 What is ethnopharmacology? Explain its role in drug discovery from natural sources with suitable examples [15]
- Q.2 Define adulteration and explain different types of adulteration? Write different methods of evaluation of adulteration? [15]
- Q.3 Define bioprospecting. Discuss its potential benefits and limitations. Describe the procedures used to determine heavy metal contamination in natural drugs. [15]
- Q.4 Outline the various methods used to screen natural drugs for biological activity. Discuss any five approaches in detail [15]
- Q.5 Highlight the importance of sampling, swelling index and foaming index in the quality control of herbal drugs. Explain the procedures for their determination.? [15]
- Q.6 Discuss the significance of quantitative microscopic techniques in the standardization of herbal drugs. Explain the major methods used in this evaluation [15]
- Q.7 Describe the analytical techniques commonly employed in the quality control of herbal drugs. [15]

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