

Exam Date & Time: 09-Sep-2021 (02:00 PM - 05:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

Manipal Academy of Higher Education, Manipal MPharm Theory End-Semester Examinations.

Advanced Pharmacognosy II [PCO-MPG202T]

Marks: 75

Duration: 180 mins.

SECTION - A

Answer all the questions.

Answer the following (10 marks x 5 = 50 marks)

- 1) a) Illustrate in detail the efficacy of herbal medicine with suitable examples.
b) List the problems influence the quality of herbal drugs. (10)
- 2) Describe one experimental animal model each to develop physical and chemical induced gastric ulceration. What is the significance of route of administration when using Dimaprit, a H₂ receptor agonist, to induce ulcers in rats and guinea pigs? (4+4+2) (10)
- 3) Define adulteration. Explain various types of adulteration with examples. Add a note on pesticide residues and phytotoxins (1+4+5) (10)
- 4) Give the analytical profile of Shallaki (10)
- 5) Explain the role of ethnobotany in herbal drug evaluation and its impact on traditional medicine. (10)

SECTION - B

Answer all the questions.

Answer the following (5 marks x 5 = 25 marks)

- 6) Describe herbal vs conventional drugs (5)
- 7) Explain a comprehensive bioprospecting policy. (5)
- 8) Discuss an experimental animal model that leads to insulin dependent Diabetes Mellitus by causing pancreatic beta cell destruction. (5)
- 9) Give the biological source, phytochemistry, therapeutic uses and Chromatographic profile of Amla (5)
- 10) Enumerate the different techniques used in DNA finger printing. Explain in detail Polymerase chain reaction (1+4) (5)

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