

Question Paper

Exam Date & Time: 13-May-2023 (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 -S1]

Marks: 75

Duration: 180 mins.

SECTION - A

Answer all the questions.

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

- 1) Explain in detail the Herbal vs Conventional drugs. Enlist the problems that influence the quality of herbal drugs (10)
- 2) A) What is inflammation? Give any two methods used for the evaluation of anti-inflammatory agents (10)
B) Describe any two *in vivo* methods that are used in the evaluation of antidiabetic drugs
- 3) Describe the various types of adulteration with examples. Add a note on pesticide residue and aflatoxin (10)
- 4) Give an analytical profile of Turmeric (10)
- 5) Define and explain the reverse pharmacology process for drug discovery from natural sources (10)

SECTION - B

Answer all the questions.

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

- 6) Explain the four categories of classification of herbal medicines as per SEAR and give the Specific requirements for assessment of the safety of same. (5)
- 7) Define and list the branches of ethnobotany. Explain the outcome of ethnobotany and the role of ethnobotanists in drug discovery (5)
- 8) Give the *in vitro* methods used for the evaluation of anticancer drugs (5)
- 9) Give botanical source, chemical constituents, uses and identification of Bavachi (5)
- 10) Describe DNA fingerprinting technique in identification of drugs of natural origin (5)

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