

Exam Date & Time: 15-Jul-2022 (10:00 AM - 01:00 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) Define pharmacokinetic interactions. Explain in detail the pharmacokinetic aspects of herbal drugs with herb-drug interaction at absorption level. (10)
- 2) A) Define and classify diabetes. Give any two models for screening of antidiabetic drugs  
B) Give an account of cardio vascular diseases. Explain two methods of evaluation of cardio protective drugs (10)
- 3) Describe the various types of adulteration with examples. Add a note on reasons of adulteration along with causes and measures (10)
- 4) Give an analytical profile of Amla (10)
- 5) Define and explain in detail the bioprospecting process of drugs from natural sources (10)

#### SECTION - B

Answer all the questions.

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

- 6) Describe the process of validation of herbal therapies (5)
- 7) Define and list the branches of ethnobotany. Explain the outcome of ethnobotany and role of ethnobotanist in drug discovery (5)
- 8) What is oxidative stress? Describe any two methods for *in vitro* evaluation of antioxidants (5)
- 9) Give the source, constituents, uses and identification of Coleus (5)
- 10) How do you determine heavy metal content in medicinal plant materials? (5)

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