

Exam Date & Time: 27-Mar-2021 (01:30 PM - 04:30 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

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

Advanced Pharmacognosy I [PCO-MPG102T - S3]

Marks: 75

Duration: 180 mins.

SECTION - A

Answer all the questions.

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

- 1) Explain the various techniques used in *Ex situ* conservation of medicinal plants. (10)
- 2) Give the source and structure of five each of drugs used in CVS and as antimicrobials from marine source you have studied (10)
- 3) Give the occurrence, isolation, chemical nature and health benefits of Vasicine and Guggul lipids. (10)
- 4) Give the source, isolation, chemical nature and uses of Limonoids and Shatavarins (10)
- 5) Give the reporting form for suspected adverse reactions to ASU drugs (10)

SECTION - B

Answer all the questions.

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

- 6) Location and objectives of ICAR (5)
- 7) Marine toxins and their symptoms (5)
- 8) Mineral supplements as Nutraceuticals (5)
- 9) Source, chemical composition and uses of Black Cohosh and Ginseng (5)
- 10) Antioxidants and their role as Nutraceuticals (5)

-----End-----