

Exam Date & Time: 03-Dec-2018 (02:00 PM - 05:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

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

Specialization: Pharmacognosy

Date: 03-12-2018

Advanced Pharmacognosy I [PCO-MPG102T]

Marks: 75

Duration: 180 mins.

SECTION - A

Answer all the questions.

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

- 1) Give a detailed account of ex situ conservation of medicinal plants. (10)
- 2) What are the challenges encountered in the discovery and development of marine drugs? Give the source and structure of any five marine anticancer drugs. (10)
- 3) Give the source, isolation and health benefits of Hesperidin and Ellagic acid. (10)
- 4) Describe antioxidants and their role as Nutraceuticals. Give the source, chemical nature and health benefits of Braccoli and Black Cohosh. (10)
- 5) Discuss briefly
 - a) Functional foods, PUFA, probiotics, prebiotics and dietary fibers with examples.(5)
 - b) Digestive enzymes as Nutraceuticals (5)(10)

SECTION - B

Answer all the questions.

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

- 6) Fat soluble vitamins (5)
- 7) Good collection practices of medicinal plants (5)
- 8) Role of Pharmacognosy in herbal drug industry (5)
- 9) Pharmacovigilance of herbal drugs in India (5)
- 10) Clinical significance of herbal drug interactions with examples (5)

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