

Exam Date & Time: 13-Sep-2021 (02:00 PM - 05:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

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

Herbal and Cosmetic Analysis [PCH-MPA204T]

Marks: 75

Duration: 180 mins.

SECTION - A

Answer all the questions.

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

- 1) Explain the regulatory requirements for the setting of herbal drug industry and global marketing management. (10)
- 2) A) Discuss the pharmacokinetic and pharmacodynamic issues of herbal drugs. 5 marks (10)
B) Explain the modern analytical methods used for adulterant screening. 5 marks
- 3) A) How does the adverse drug reactions can be reported ? 5 marks (10)
B) Explain about drug-drug interactions with examples. 5 marks
- 4) What are AYUSH guidelines? Mention its objectives. (10)
What are the basic principles involved in Ayurveda and naturopathy?
- 5) A) Write a note on challenges in monitoring the safety of herbal medicines. (10)
B) Explain about regulations related to herbal drugs.

SECTION - B

Answer all the questions.

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

- 6) Explain DNA finger printing techniques for the identification of drugs of natural origin. (5)
- 7) What are personal hygiene preparations? Explain with examples (5)
- 8) How do you evaluate cosmetic products for moisture and volatile matter? (5)
- 9) Give the significance of determining the following in the evaluation of cosmetic products: (5)
a) Saponification value
b) Iodine value
c) acid value
- 10) Write a note on WHO guidelines on assessment of safety and efficacy of herbal drugs. (5)

-----End-----