

Exam Date & Time: 20-Jul-2022 (10:00 AM - 01:00 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) What are the challenges in monitoring the safety of herbal medicines? (10)
- 2) What are AYUSH guidelines? Mention its objectives. What are basic principles involved Siddha medicine and naturopathy? (10)
- 3) Discuss the pharmacokinetic and pharmacodynamic issues of herbal drugs and discuss in detail modern analytical methods used for adulterant screening (10)
- 4) What are the Regulatory requirements for the setting of herbal drug industry and global marketing management? Explain in detail (10)
- 5) Explain the Indian patent law applicable to herbal drugs and give its protocol and With an example discuss the comparative monograph analysis in British herbal pharmacopoeia and Indian herbal pharmacopoeia. (10)

SECTION - B

Answer all the questions.

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

- 6) Discuss various methods for the evaluation of cosmetic products. (5)
- 7) Explain DNA finger printing techniques for the identification of drugs of natural origin. (5)
- 8) Define ash value. Explain the significance of determination of ash value (5)
- 9) How do you evaluate the cosmetic products for heavy metals and volatile matter? Suggest advanced instrumental techniques for their measurement. (5)
- 10) What are personal hygiene preparations? Explain with examples (5)

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