

Question Paper

Exam Date & Time: 08-May-2019 (02:00 PM - 05:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

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

MPharm - Pharmaceutical Analysis

MPharm Semester I - End Semester Examination, May, 2019

Date : 08/05/2019

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) How do you evaluate cosmetic products for moisture, ash and volatile matter? (10)
- 2) Explain WHO guidelines in quality assessment of herbal drugs. (10)
- 3) Discuss the Indian and international patent law with its protocol. (10)
- 4) What are the different methods used for screening of adulterant. (10)
- 5) What are the general methods of analysis of raw materials used in cosmetic products as per BIS? (10)

SECTION - B

Answer all the questions.

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

- 6) Discuss about various pharmacopoeias. (5)
- 7) Briefly discuss about toxicity studies of herbal drugs. (5)
- 8) What are AYUSH guidelines? Give the principle involved in homeopathy medicine. (5)
- 9) Define saponification value and acid value. Mention their significance. (5)
- 10) Give the specifications for sampling and testing of baby care products. (5)

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