

Question Paper

Exam Date & Time: 21-May-2024 (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 -S1]

Marks: 75

Duration: 180 mins.

SECTION - A

Answer all the questions.

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

- 1) A) Explain the Indian patent law applicable to herbal drugs and give its protocol . (10)
B) Discuss the pharmacodynamic issues of herbal drugs. ---5x2=10M
- 2) A) Explain the methods used for the determination of foreign matter . (10)
B) Give the importance of validation of herbal therapies. 5x2=10M
- 3) A) How do you determine the heavy metals and pesticide residues in herbal formulations. (10)
B) Discuss in detail the WHO guidelines in quality assessment of herbal drugs. 5x2=10M
- 4) A) Discuss a brief account on the reporting of adverse drug reactions. (10)
B) What are the challenges in monitoring the safety of herbal drugs. 5x2=10 marks
- 5) Explain the method of analysis for peroxide value, rancidity, heavy metals, viscosity and ash value determination in cosmetics (10)

SECTION - B

Answer all the questions.

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

- 6) Discuss the sampling and testing procedure laid down by BIS for below mentioned any three finished product forms: i) Baby care products ii) Dental products iii) Personal hygiene preparations and iv) Hair products (5)
- 7) Discuss the comparative monographs of herbal drugs of British herbal pharmacopoeia with Indian herbal pharmacopoeia. (5)
- 8) Explain the problems arising out of herbal products. What actions have to be taken? Mention the objectives of safety monitoring of herbal medicines given by WHO and Ayush. (5)
- 9) Classify herbal medicine and briefly describe herbal vs Conventional medicines. (5)
- 10) Discuss on the efficacy of herbal medicine with examples (5)

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