

Exam Date & Time: 19-Dec-2022 (10:00 AM - 01:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

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

Industrial Pharmacognostical Technology [PCO-MPG104T - S3]

Marks: 75

Duration: 180 mins.

SECTION - A

Answer all the questions.

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

- 1) A) Give a detailed account of certification, its types and maintenance of ISO audit.
B) Elaborate on EXIM policy with the objectives. Add a note on its impact on different sectors. (10)
- 2) Discuss the GMP of herbal medicines as per the WHO guidelines. (10)
- 3) Explain how stability studies are carried out for traditional medicines as per the ASEAN guidelines. (10)
- 4) Discuss on patent for its criteria and benefits. Briefly explain the various steps involved in filing a patent in India. (10)
- 5) Explain monograph with its general parameters. Discuss the various components of British Herbal Pharmacopocia with an example. (10)

SECTION - B

Answer all the questions.

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

- 6) Procedure for the determination of Foreign matter and Swelling index of a crude drugs as per the WHO guidelines. (5)
- 7) Trade secrets in India. (5)
- 8) Technical knowledge and Capital venture in relation to herbal drug industry. (5)
- 9) Pilot plant scale-up technique and its application to herbal drug industry. (5)
- 10) Compare Phase II and III in clinical trials for ASU medicines as per the AYUSH-GCP guidelines. (5)

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