

Question Paper

Exam Date & Time: 24-May-2023 (10:00 AM - 01:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

Instructions: Answer ALL questions.

Pharmaceutical Formulations [PCE 3.6T-S1]

Marks: 70

Duration: 180 mins.

Section A

Answer all the questions.

Long Answer Questions (3 x 10 marks = 30 marks)

- 1) Explain various Official quality control tests for Hard gelatin capsules (10)
- 2) What are parenteral preparations? Discuss various routes of parenteral administration. (10)
- 3) Discuss Wet granulation method used for the preparation of tablets. List out different raw materials used in the formulation of tablets along with examples. (10)

Section B

Answer all the questions.

Short Answer Questions (6 x 5 marks = 30 marks)

- 4) Write a note on Tableting problems. (5)
- 5) Discuss different filling methods for Liquid Orals. (5)
- 6) Add a note on methods of preparation of Semisolid dosage forms (5)
- 7) Mention different evaluation tests for parenteral preparations. Explain PYROGEN testing. (5)
- 8) What are different types of transdermal drug delivery systems? Explain any ONE type in detail. (5)
- 9) Explain the Extraction of gelatin with the help of a flow-sheet. (5)

Section C

Answer all the questions.

Give Reasons for the Following (5 x 2 marks = 10 marks)

- 10) Enteric coated tablets are tested in both acidic as well as alkaline medium in disintegration test. (2)
- 11) Novel drug delivery systems are more advantageous than conventional dosage forms. (2)
- 12) Direct compression method is beneficial over other tableting methods (2)
- 13) Controlled flocculation in structured vehicle is widely used approach in the preparation of suspensions (2)
- 14) Type 1 glass is more preferred in the packaging of parenteral products (2)

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