

QP CODE: 306326

Reg. No:

**Third Year Pharm D Degree Regular/Supplementary Examinations
August 2022**

Pharmaceutical Formulations

Time: 3 Hours

Total Marks: 70

- *Answer all questions to the point neatly and legibly* • *Do not leave any blank pages between answers* • *Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together* • *Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

Essays

(3x10=30)

1. What are different methods for the preparation of tablets. Explain Wet granulation method in detail.
2. Explain the extraction of gelatin with a flowchart. Write the procedure for preparation of empty hard gelatin capsules shells.
3. Explain the methods of preparation of emulsions. How are they made stable. Discuss.

Short notes

(8x5=40)

4. Describe the formulation of any one liquid oral.
5. Briefly explain different types of ointment bases.
6. Explain the uses of Novel drug delivery systems with suitable examples.
7. Explain the importance of different excipients/ raw materials used in parenteral preparations. Give examples.
8. Mention different types of transdermal drug delivery systems and explain any one type in detail.
9. What are different evaluation tests for parenteral preparations. Explain sterility testing.
10. Evaluation test for suspension.
11. QC tests for tablets.
