

QP CODE: 306326

Reg. No:

**Third Year Pharm D Degree Regular/Supplementary Examinations
November 2024**

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. Demonstrate the working principle of Rotary tablet compression machine with diagram.
2. Discuss in detail about various approaches for the development of implantable drug delivery system.
3. Define an emulsion. Explain in detail about formulation and evaluation of an emulsion.

Short notes

(8x5=40)

4. Add a note on 'uniformity of weight' test for tablet dosage form as per IP. (Indian Pharmacopoeia).
5. Explain the Limulus Amoebocyte Lysate (LAL) test for pyrogens.
6. Explain the term displacement value and its importance in formulation of suppositories.
7. Define solutions. Discuss the stability of solutions.
8. Write briefly on ocular inserts.
9. Write briefly the formulation of suspension.
10. Classify liquid dosage forms.
11. Define the following:
 - (a) Bloom strength
 - (b) Creaming
 - (c) Ointment
 - (d) Mottling
 - (e) Chipping
