

QP CODE: 306326

Reg. No:

**Third Year Pharm D Degree Supplementary Examinations
February 2023**

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. Explain the different granulation techniques. Discuss the official quality control studies of tablets.
2. Describe briefly the production of parenterals and add a note on lyophilization technique.
3. Explain the importance of base absorption and minimum gram factor in soft gelatin capsules.

Short notes

(8x5=40)

4. What are the different types of processing problem encountered in manufacturing of tablets and how they can be overcome.
5. Explain the concept and advantages of novel drug delivery system.
6. Rotary die process in the manufacture of gelatin capsule.
7. Write on the role of structured vehicle in the preparation of pharmaceutical suspension.
8. LAL test for pyrogens and its significance.
9. Formulation of Jellies.
10. Explain the different barriers for ocular absorption of drug.
11. Explain briefly about evaluation of transdermal drug delivery system.
