

QP CODE: 306326

Reg. No:

**Third Year Pharm D Degree Regular/Supplementary Examinations
December 2021**

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 advantages and disadvantages of tablet coating. Explain sugar coating process in detail.
2. What are different methods for manufacturing hard gelatin capsules in large scale. Explain any one method in detail.
3. Define parenteral preparations. How they are prepared and packed. Explain. Briefly write on various routes of parenteral administration.

Short notes

(8x5=40)

4. Different stages in instability of emulsions.
5. Different types of ointment bases.
6. How water for injection is prepared. Explain.
7. Mention different tableting problems and explain any two problems.
8. Mention different types of transdermal systems and explain any one type.
9. What are different official quality control tests for hard gelatin capsules. Explain any two tests.
10. What factors influence the absorption of ophthalmic ointments. Explain
11. Different types of jellies and their uses.
