

**QP CODE: 306326**

**Reg. No: .....**

**Third Year Pharm D Degree Regular/Supplementary Examinations  
August 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. Classify the types of Tablets. Discuss the official quality control studies of tablets.
2. Classify parenteral with suitable examples. Write in detail about the production facilities for parenteral formulation.
3. Explain the different production methods of soft gelatin capsules.

**Short notes**

**(8x5=40)**

4. What are the factors affecting skin absorption.
5. Discuss different types of emulsions.
6. Explain controlled drug delivery through buccal route of administration.
7. Define solutions. Discuss the stability of solutions.
8. What are Ocuserts. Explain its formulation methodology.
9. How will you evaluate the physical stability of suspensions.
10. Explain the different types of ointment bases.
11. Explain the steps involved in sugar coating of tablets.

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