

QP CODE: 306326

Reg. No:

**Third Year Pharm D Degree Supplementary Examinations
August 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. List and explain different official quality control tests for tablets.
2. What are different raw materials used in soft gelatin capsules. Explain rotary die process followed in the manufacture of soft gelatin capsules.
3. Explain the containers used for parenteral preparations. Give examples. What QC tests to be done for a parenteral. Discuss.

Short notes

(8x5=40)

4. What are the various approaches to increase the aqueous solubility of the drugs. Explain any two approaches in detail.
5. Different types of ointment bases.
6. List and explain the advantages of buccal drug delivery systems.
7. Explain the differences between wet and dry granulation method of preparation of tablets.
8. What advantages one can have from novel drug delivery. Explain.
9. How stability of liquid orals is evaluated. Explain.
10. Pyrogens should not be present in parenteral preparations. How it can be removed. Explain.
11. Explain the advantages of direct compression method tableting.
