

QP CODE: 306326

Reg. No:

**Third Year Pharm D Degree Supplementary Examinations
January 2020**

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. Discuss dry granulation technique of tablets and list out its advantages and disadvantages.
2. Define Parenterals. What are the different additives used in the manufacture of parenterals giving their functions and examples
3. Classify ointment bases with examples. Describe in brief about water miscible bases.

Short notes

(8x5=40)

4. Pyrogen test for parenteral preparations.
5. Discuss the different coating techniques for tablets
6. Explain the working of rotary die machine for manufacturing of soft gelatin capsules.
7. Glass containers used for parenterals.
8. Explain the requirements for the ophthalmic preparations
9. Discuss any two quality control tests for hard gelatin capsules
10. Formulation of jellies.
11. Nasal drug delivery systems.
