

**FACULTY OF PHARMACY****Pharm. D (6 YDC) III-Year (Main & Backlog) Examination, July 2019****Subject : Pharmaceutical Formulation****Time : 3 Hrs****Max. Marks: 70*****Note: Answer all questions from Part – A, answer any five questions from Part-B.*****PART – A (10 x 2 = 20 Marks)**

- 1 What are multiple compressed tablets? Write its merits and demerits.
- 2 Explain the disintegration test for enteric coated tablets.
- 3 Define base absorption and gram/minim factor. Write its importance.
- 4 Write abt different sizes of hard gelatin capsules with their capacities.
- 5 Explain the instability of emulsions.
- 6 Explain the differences between flocculated and deflocculated suspensions.
- 7 Define sterilization. List t different methods of sterilization.
- 8 Write the importance of displacement value in preparation of suppositories.
- 9 Explain abt effervescent tablets.
- 10 Write a note on ocular inserts.

**PART- B(5X10=50 Marks)**

- |  |     |
|--|-----|
| 11 Write in detail excipients used in formulation of tablets with examples.  | 10  |
| 12 Explain the evaluation tests for coated tablets.  | 10  |
| 13 What are advantages and disadvantages of hard gelatin capsules? Describe the composition and steps involved in preparation of hard gelatin shell. | 4+6 |
| 14 Explain the formulation of emulsions with examples.   | 10  |
| 15 (a) Write the difference between small volume and large volume parenterals.   | 5   |
| (b) Explain the containers used in parenterals.  | 5   |
| 16 Explain the quality control tests for parenterals.  | 10  |
| 17 Explain the formulation, packing and labelling of ophthalmic ointments.   | 5+5 |
| 18 What are the criteria for selection of novel drug delivery systems? Write a brief note on ocular inserts  | 5+5 |

\*\*\*\*\*