

FACULTY OF PHARMACY**Pharm. □ (6 YDC) III-Year (Instant) Examination, February 2020****Subject : Pharmaceutical Formulation****Time : 3 Hours****Max. Marks: 70*****Note: Answer all questions from Part — A, answer any five questions from Part-B.*****PART — A (10x2=20 Marks)**

- 1 Define tablets. List out the different types of tablets.
- 2 Explain the therapeutic reasons for enteric coating.
- 3 Write the composition of hard gelatin shell.
- 4 Explain the stability of suspensions.
- 5 Classify emulsifying agents with examples. Write its mechanism of action.
- 6 Write the vehicles used in parenterals with examples.
- 7 Write the official tests for glass containers.
- 8 Explain the physiochemical parameters of gelatin.
- 9 Define controlled drug delivery systems. Write its advantages.
- 10 Define penetration enhancers. Give suitable examples.

PART- B (5x10=50 Marks)

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| 11 Explain the quality control tests for tablets. | 10 |
| 12 Explain the advantages of film coating over sugar coating. Explain the method and materials used in sugar coating of tablets. | 3+7 |
| 13 Define capsules. Discuss any two filling methods of hard gelatin capsules. | 2+8 |
| 14 Explain the evaluation of emulsion including shelf life. | 10 |
| 15 Explain the formulations of suspensions with examples. | 10 |
| 16 Write in detail about production facilities for parenteral formulations. Explain the evaluation tests for parenterals. | 5+5 |
| 17 Discuss the different types of suppository bases. Add note on method of preparation. | 5+5 |
| 18 Describe the formulation and evaluation of transdermal patch. | 10 |