

**FACULTY OF PHARMACY****Pharm D (6–YDC) III – Year (Main & Backlog) Examination, July 2018****Subject: Pharmaceutical Formulations****Time: 3 Hrs****Max.Marks: 70****Note: Answer all questions from Part – A. Any Five questions from Part – B.****PART – A (10x2 = 20 Marks)**

- 1 Write abt significance of clarity test.
- 2 What is bloom strength and explain its importance.
- 3 Write a note on preservatives used in ophthalmic products.
- 4 Write abt leakage test of parenterals.
- 5 Give the classification of emulsifying agents with suitable examples.
- 6 Write abt preservatives for ophthalmic products.
- 7 Explain displacement value and mention its importance.
- 8 Explain abt lamination and capping.
- 9 What are the defects of sugar coating?
- 10 Write abt sedimentation parameters.

**PART – B (50 Marks)**

- 11 Explain briefly abt various excipients used in tablet formulation and their functions. 10
- 12 Explain in detail the different granulation techniques for the preparation of tablets with their advantages. 10
- 13 Define and classify capsule. Explain the manufacturing and evaluation of soft gelatin capsules. 2+8
- 14 Explain formulation and evaluation of suspensions. Write different identification tests of emulsions. 7+3
- 15 With the help of neat labeled diagram explain the layout of small volume parenteral unit. Explain the official quality control tests of parenterals. 5+5
- 16 What are the suppositories and write abt the bases used for their preparation. Write abt formulation of jellies. (1+4+5)
- 17 Discuss in detail abt the containers used in packaging of parenterals. 10
- 18 Define prolonged action dosage form. Write their advantages and disadvantages. Explain the formulation and evaluation of transdermal patches. 10

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