

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

- 1 Differentiate between Gargles and Throat points.
- 2 Write a note on aromatic spirit of ammonia.
- 3 Calculate the amount of 95% alcohol required to prepare 400 ml of 60% alcohol.
- 4 Mention the various reasons which causes physical incompatibility.
- 5 Write about desirable properties of a colouring agent.
- 6 What will be the dose for a child of 8 years if the adult dose is 200 mg.
- 7 Write a note on absorbable gelatin sponge.
- 8 Define the terms, Elixirs and Linctuses.
- 9 Write in brief about eutectic powders.
- 10 Differentiate between emulsion and suspension.

PART – B (5x10 = 50 Marks)

- 11 Describe different types of suppository bases and mention ideal properties of a suppository base. 10
- 12 a) Write a note on British pharmacopoeia. 6
b) Convert the following:
60 O.P. and 35 U.P. to % v/v of alcohol and 40% v/v and 75% v/v alcohol to proof spirit. 4
- 13 Explain types of instability of emulsions and describe the factors that improve the stability of emulsion. 10
- 14 Write the principle and procedure involved for the preparation of:
a) Calamine lotion 5
b) Lugol's solution 5
- 15 Define posology. Explain different factors influencing selection of dose. 10
- 16 a) Explain continuous hot percolation. 6
b) Differentiate between decoction and infusion. 4
- 17 Write short notes on:
a) Lotions 5
b) Liniments 5
- 18 a) Explain different therapeutic incompatibilities 6
b) Write in brief about effervescent granules. 4
