

QP Code: 522006

Reg. No.....

**Fifth Semester B. Pharm Degree Supplementary Examinations
September 2025
Formulative Pharmacy
(2017 Scheme)**

Time: 3 Hours

Max. Marks: 75

- *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 diagrams wherever necessary*

Essays

(2x10=20)

1. Describe the various parts of an aerosol valve system. Write a note on stability studies of Pharmaceutical Aerosols.
2. Discuss in detail the various tablet coating defects. Add a note on the role played by the cams in multiple station tablet compression machine.

Short Notes

(7x5=35)

3. What is an ophthalmic dosage form. Enlist the various factors affecting corneal absorption.
4. Define solubility profile. Explain three key factors which affect solubility.
5. Write a short note on Glass as packing material in formulation industry.
6. Mention four ideal qualities of a good shampoo. Add a note on principal surfactants.
7. Describe the process of selecting the capsule size for a formulation to be filled in hard gelatin capsule.
8. Explain the production facilities and controls for parenteral products.
9. Explain the formulation of Eye drops.

Answer Briefly

(10x2=20)

10. Enlist ideal characteristics of tablets.
11. What is the importance of isotonicity.
12. Define eye lotions.
13. Write the formula for cold cream.
14. Define lyophilisation.
15. What is the importance of the friability test for tablets.
16. Racemisation.
17. Infusion fluids.
18. Propellants for Aerosols.
19. Hair Dyes.
