

QP CODE: 102326

Reg. No: .....

**First Year Pharm D Degree Regular/Supplementary Examinations  
October 2023**

**Paper II - Pharmaceutics**

**Time: 3 Hours**

**Total Marks: 70**

- *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 table/diagrams/flow charts wherever necessary*

**Essays**

**(3x10=30)**

1. With suitable diagrams explain the instability of emulsions. How to improve stability of emulsion. Explain. (6+4)
2. Define Galenicals. Explain importance of size reduction and moistening in extraction process. Briefly describe multiple maceration process.
3. Classify Monophasic dosage forms with examples. Write the advantages, importance and uses as dosage form.

**Short notes:**

**(8x5=40)**

4. Define surgical dressing. Add a note on cotton wool. What are their applications.
5. Discuss on different bases used in the preparation of suppositories.
6. Give the final composition for 12 suppositories 1 g each to contain 50 mg Menthol per suppository (Displacement value of Menthol = 0.7). Show your calculations.
7. How Hypertonic solutions are made Isotonic. Discuss.
8. When you mix 50 g of 0.5% w/w Sulphur cream and 25 g of 2% w/w Sulphur cream, what is the final concentration of Sulphur in the mixed cream.
9. How physical stability of suspension can be evaluated. Explain.
10. What are the differences between flocculated and deflocculated suspension.
11. Write briefly on Liniment and Lotion. What are their applications.

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