

First Year Pharm D Degree Supplementary Examinations March 2025**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. Define posology. Explain different factors affecting selection of dose of a drug.
2. Define suspension. Explain the preparation of suspension containing diffusible and indiffusible solids.
3. Define maceration. Explain simple maceration, maceration with adjustment and multiple maceration.

Short notes:**(8x5=40)**

4. Define incompatibility. Explain how to overcome chemical incompatibility with examples.
5. Define and classify various surgical sutures and ligatures.
6. How many milligrams of aluminium acetate are required to prepare 500 mL of a 0.03% w/v solution.
7. Explain various types of suppository bases.
8. Define and classify monophasic liquid dosage forms.
9. Explain the dispensing of explosive powders with examples.
10. Explain the different steps involved in the manufacturing of surgical catgut.
11. An infant, 15 months old and weighing 20 pounds, needs Streptomycin Sulfate, which is usually administered to adults as 1 gm (1000 mg), as a daily IM injection. What is the appropriate dosage for the infant as per Fried's rule.
