

QP Code: 123006

Reg. No.....

**First Semester B.Pharm Degree Regular/Supplementary Examination  
September 2022**

**Pharmaceutics- I  
(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 table/diagrams/flow charts wherever necessary*

**Essay**

**(2x10=20)**

1. Describe the history of profession of pharmacy in India in connection with pharmacy education, industry and organization.
2. Define emulsion and write the classification of emulsifying agents with suitable examples. Discuss the methods of preparation, stability problems of emulsions and its rectification

**Short Notes**

**(7x5=35)**

3. Evaluation of suppositories.
4. Factors influencing dermal penetration of drugs.
5. Isotonicity and its determination methods.
6. Adult dose of an antibiotic is 500mg. How do you calculate the dose for 10 years' child. (Any two methods)
7. Throat paints.
8. Classification of powders with suitable examples
9. Therapeutic incompatibility with suitable examples

**Answer Briefly**

**(10x2=20)**

10. Phase volume ratio
11. Difference between lotions and liniments
12. Displacement value
13. Parts of prescription.
14. HLB Value
15. Hydrotropy
16. Stokes equation.
17. Types of suspensions.
18. Zeta potential
19. Translate the Latin terms in to English
  - Hora somni
  - Omni mane
  - Stat
  - Coch mag

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