

2012 Scheme

QP CODE:213006

Reg. No:

Second Year B.Pharm Degree Supplementary Examinations July 2023

Pharmaceutics II

Time: 3 Hours

Total Marks: 100

- *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*
- *Write equations wherever necessary.*

Essays

(3x10=30)

1. Write the Hydrophilic and Lipophilic Balance (HLB) classification of surface active agents. Discuss the electrical properties of interface and surface free energy.
2. Define emulsion. Explain the stability problems in an emulsion and methods to overcome the same.
3. Explain: Coulter counter method, Hausner ratio.

Short notes

(14x5=70)

4. Application of complexation in pharmacy
5. Explain the working of cone and plate viscometer.
6. Controlled flocculation
7. Define and classify emulsifying agents.
8. Methods of determination of rate of reaction.
9. Sieving method of particle size determination.
10. Kinetics of protein binding
11. Applications of micromeritics.
12. Fick's law of diffusion.
13. Types of colloids.
14. Expiry dating.
15. Determination of surface tension by stalagmometer method
16. Give a brief account of dissolution apparatus
17. Spreading coefficient
