

2010 Scheme

QP CODE: 203006

Reg. No:

Second Year B.Pharm Degree Supplementary Examinations January 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. Discuss the various theories of dissolution.
2. Explain in detail about different kinetic properties of colloids
3. Give a detailed account of stability problems in emulsion and methods to overcome the same.

Short notes

(14x5=70)

4. Explain the Laws of diffusion.
5. Explain the effect of temperature on reaction rate.
6. Describe the capillary rise method for the measurement of surface tension.
7. Demonstrate the factors which affect the adsorption.
8. Discuss about electrophoresis based on the dispersion systems.
9. Sedimentation volume and degree of flocculation.
10. Explain the flow property of pseudo plastic systems giving suitable example.
11. Outline a detailed procedure for the determination of viscosity by Cub and Bob viscometer.
12. Determine the order of reaction by half-life method.
13. Examine the stability problems by hydrolysis.
14. Determine the particle volume of the powders by coulter counter method.
15. Compile the different process to improve the flow properties of powders.
16. Demonstrate the applications of complexes.
17. Discuss the significance of protein binding between drugs and protein.
