

2012 Scheme

QP CODE:213006

Reg. No:

Second Year B.Pharm Degree Supplementary Examinations February 2024

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. Define rate of reaction. Deduce the equation of zero order kinetics, half-life and shelf life.
2. Define viscosity. Classify viscometers with examples. Explain the construction, working and applications of any one rotational viscometer.
3. Explain the any two methods for determining particle size its limitation and application.

Short notes

(14x5=70)

4. Explain the liquid gas adsorption interfaces.
5. Define suspension and wetting of particles in suspension.
6. Explain particle size distribution.
7. Define dissolution and explain the dissolution test apparatus.
8. Write a note on adsorption at solid and gas interface.
9. Define colloids and explain methods to purify colloids.
10. Explain the general method of preparation of emulsion
11. First order reaction kinetics.
12. Application of protein binding.
13. Explain the principle and procedure of adsorption method for determining surface area of particles.
14. Electrical properties of colloids.
15. Derived properties of powder.
16. Define Diffusion and explain Ficks first law of diffusion.
17. Define complexation and explain any one method for enhancement of solubility.
