

2012 Scheme

QP CODE:213006

Reg. No:

Second Year B.Pharm Degree Supplementary Examinations July 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. Explain the methods used to determine the order of reaction. Add a note on the factors affecting rate of reaction.
2. Define complexes. Explain method to enhance solubility through complexation.
3. Explain any two methods for determining particle size with their advantages, disadvantages, practical considerations and applications.

Short notes

(14x5=70)

4. Theory of emulsification.
5. Describe briefly on the preparation and purification of colloids.
6. Describe multiple and micro emulsion.
7. Differentiate between Flocculated and Deflocculated suspension.
8. Explain the Electrical properties of interface.
9. Explain the term thixotropy and negative thixotropy.
10. Porosity and bulkiness.
11. Steady state diffusion.
12. Describe the principle and procedure of drop count method to determine surface tension of a liquid.
13. Significance of Rheology.
14. Determination of expiry date.
15. Explain one method for measurement of viscosity.
16. Classify surfactants with suitable examples.
17. Accelerated stability studies.
