2012 Scheme

Second Year B.Pharm Degree Supplementary Examinations February 2022

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 Dissolution. Explain in detail the various dissolution test apparatus.

2. What are Newtonian and Non-Newtonian systems. Explain with suitable examples.

3. What is adsorption isotherm and deduce Langmuir Adsorption Isotherms. Give the different types of adsorption isotherms.

Short notes   **(14x5=70)**

4. Sedimentation parameters.

5. Construction and working of Falling sphere viscometer.

6. Packing arrangement and bulkiness.

7. Explain the theories of emulsification.

8. Describe briefly stabilization technique of pharmaceutical dosage forms.

9. Wetting of particles for suspensions.

10. Mechanism of Dissolution.

11. Classification of emulsifying agents.

12. Brunauer, Emmett and Teller (BET) Adsorption Isotherm.

13. Stability of colloidal system.

14. Construction and working of coulter-counter.

15. Applications of protein binding in pharmacy.

16. Pseudo first order and first order kinetics.

17. Explain kinetic and electrical properties of colloids.

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