

# 2012 Scheme

QP CODE:213006

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. Define order of reaction. Explain the methods to determine order of reaction.
2. Explain thixotropy and methods to determine thixotropy.
3. Explain Interfacial tension and its measurements.

#### Short notes

(14x5=70)

4. Principle and procedure of drop weight and count method.
5. Formulation of flocculated suspension.
6. Explain the principle and procedure of air permeability method.
7. State and explain Raoult's law.
8. Capillary viscometer.
9. Explain evaluation parameters of emulsion.
10. Pharmaceutical application of suspension.
11. Photolytic degradation in pharmaceuticals and its method of prevention.
12. Describe the dynamic dialysis method for studying drug protein binding.
13. Effect of temperature on pharmaceutical dosage form.
14. Construction and working of Cup and bob viscometer.
15. Flow properties of powders.
16. Explain solubilization and detergency.
17. Define the three classes of complexes with their pharmaceutical application.

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