B.Pharm. Eighth Semester

35181 : Pharmaceutics - VI : T-8.1

P. Pages : 1 AW - 2325

Time : Three Hours Max. Marks : 60

Notes : 1. All question carry equal marks.
2. Answer **any five.**
3. Illustrate your answer necessary with the help of neat sketches.
4. Use of pen Blue/Black ink/refill only for writing the answer book.

1. Discuss in detail various approaches used to prepare parenteral controlled release drug delivery system & add a note on its evaluation. **12**

2. i) Discuss in detail the need & importance of stabilization of pharmaceutical product. **6**

ii) Explain in detail stability testing protocol for liquid oral & semisolid dosage farm. **6**

3. Discuss in detail about preparation of microcapsules by coacervation phase separation method & multi orifice centrifugation methods. **12**

4. Define & classify validation method. Explain in detail process validation involved in production of tablets. **12**

5. i) Explain in detail various types of transdermal drug delivery systems. **6**

ii) Define & classify liposomes. Enlist various methods to prepare liposome & describe ethanol injection method in detail. **6**

6. a) Explain in detail about resealed erythrocytes & add a note on limitation of it. **6**

b) Add a note on "Evaluation of microcapsules". **6**

7. Write notes on **any two.** **12**

a) Applications of polymers in pharmaceutical formulations.

b) Retrospective validation

c) Nano Spheres

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