Eighth Semester B. Pharm. Examination

PHARMACEUTICS-VI

Paper - T 8-1

(USC – 35181)

P. Pages : 2

Time : Three Hours] [Max. Marks : 60

Note : (1) All questions carry equal marks.
(2) Answer **Five** questions.
(3) Illustrate your answer wherever necessary with the help of neat sketches.
(4) Use pen of Blue/Black ink/refill only for writing the answer book.

1. Write in detail about strategies employed to fabricate sustained or controlled release parenteral products and add a note on its evaluation. 12

2. Discuss in detail about spray drying and spray congealing methods to prepare microcapsules and add a note on evaluation of microcapsules. 12

3. Discuss in detail need and importance of validation in pharmaceutical industry. Explain in detail about prospective validation taking example of tablet as solid dosage form. 12

4. Define and classify liposomes. Explain various methods to prepare liposomes. 12

5. (a) Define and classify polymers with suitable examples. 6

   (b) Explain in detail in-vitro evaluation of transdermal drug delivery system. 6

6. Discuss the need and importance of stability testing of pharmaceutical product. Explain in detail about stability testing protocol for liquid oral dosage forms. 12

7. Write notes on (any **Two**) :—

   (a) Coacervation phase separation technique.

   (b) Retrospective validation

   (c) Nanospheres. 12