Code No: B4203 **R10** SET - 1

IV B. Pharmacy II Semester Supplementary Examinations, April/May - 2017
CONTROLLED RELEASE & NOVEL DRUG DELIVERY SYSTEMS

Time: 3 hours Max. Marks: 75

Answer any **FIVE** Questions
All Questions carry **Equal** Marks
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1. a) Write about formulation and evaluation of altered density systems. (8M)
   b) Write the differences between diffusion and dissolution controlled drug delivery systems. (7M)

2. a) Explain the formulation and evaluation of matrix type of transdermal drug delivery systems. (10M)
   b) Give the classification of permeation enhances for transdermal drug delivery systems with suitable examples. (5M)

3. a) Mention the advantages of bioadhesive systems. Write about bioadhesive polymers. (9M)
   b) Explain the test for bioadhesion. (6M)

4. What are liposomes? Write the advantages, disadvantages, various methods of preparations and their applications. (15M)

5. a) Differentiate between NDA and ANDA. Write about submission of NDA for approval. (10M)
   b) Write about Australian TGA. (5M)

6. a) Write about the methods of warehousing control. (8M)
   b) Explain the quality control for tablets. (7M)

7. a) Write about the requirements for sterile area as per Schedule M. (10M)
   b) Briefly write about CFR 21 part 210. (5M)

8. a) Explain the analytical method validation. (10M)
   b) Write about prospective validation. (5M)

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