Pharmaceutics-VI

Con. 2515-11. **(REVISED COURSE)** **RS-8588**

9/5/11

Sem VII CR

(2 Hours) **[Total Marks : 40**

N.B.: (1) Question No. 1 is **compulsory**.
(2) Answer any **three** questions from the remaining **five** questions.
(3) **Figures** to the **right** indicate **full** marks.

1. Attempt any **two** questions :—
   (a) Discuss non-aqueous vehicles for parenterals. 5
   (b) Differentiate between Sustained release and Controlled release drug delivery systems. Give advantages of these systems. 5
   (c) State principle of following evaluation tests for parenterals — 5
      (i) Leaker test
      (ii) Pyrogen/endotoxin testing.

2. Discuss hydrolytic degradation in pharmaceuticals and the methods for minimising/ preventing such degradation. **10**

3. (a) Elaborate on ophthalmic ointment bases. **5**
   (b) Discuss ion-exchange controlled release systems. **5**

4. Discuss the formulation ingredients and large scale manufacturing for a typical parenteral suspension. **10**

5. (a) Discuss on types of glass fabrication of containers for parenterals. **5**
   (b) Write on solubility and partition coefficient of drug to be considered for sustained release dosage form. **5**

6. (a) Discuss principle and methods of sterility testing. **5**
   (b) Discuss lens care products. **5**