

Roll No

PY - 103**B.Pharmacy I Semester Examination, December 2013**
Pharmaceutics - I (Introduction to Pharmaceutics)**Time : Three Hours****Maximum Marks : 70****Note:** Attempt any five questions. All questions carry equal marks.

1. Define and describe in detail the following drug delivery systems with their examples, advantages and disadvantages.

a) Emulsions	rgpvonline.com	5
b) Syrups		4
c) Suspension		5

2. a) Classify the various systems of medicines on the basis of route of administration with examples. 7
 b) Write an account note on history of Indian Pharmacy. 7

3. a) How would make 400ml of a 6% w/w solution of a drug in alcohol. The density of alcohol is 0.816 gm/ml. 4
 b) Supply 10 suppositories of boric acid each weighing 5gm, containing 300mg of boric acid. Displacement value of boric acid = 1.6 5
 c) Prepare 100 ml of eye wash containing 2% of boric acid. Freezing point of boric acid = -0.029°C . 5

4. Differentiate: 14
 a) Ointments and suppositories b) Lotion and liniments c) Spirits and elixirs

5. a) Write a exhaustive note on the "plant extractives and their application in the field of Pharmacy". 4
 b) Differentiate percolation and maceration methods of extraction. 10

6. a) Define "Displacement Value". 4
 b) Convert: 4+3+3
 i) 60% v/v alcohol into proof strength
 ii) 35° O/P into % v/v alcohol
 iii) 65° u/p into % v/v alcohol

7. Write brief note on three: 14
 a) British Pharmacopoeia b) Inhalation powders
 c) Aromatic waters d) Infusion and decoction

8. Give the formulation and methods of preparation of the followings: 14
 a) Calamine lotion b) Aromatic spirit of ammonia c) Turpentine liniment