

Roll No .....

**PY - 103****B.Pharmacy I Semester**

Examination, December 2014

**Pharmaceutics - I****(Introduction to Pharmaceutics)****Time : Three Hours****Maximum Marks : 70**

*Note:* i) Answer five questions. In each question part A, B, C is compulsory and D part has internal choice.

ii) All parts of each question are to be attempted at one place.

iii) All questions carry equal marks, out of which part A and B (Max.50 words) carry 2 marks, part C (Max.100 words) carry 3 marks, part D (Max.400 words) carry 7 marks.

iv) Except numericals, Derivation, Design and Drawing etc.

1. a) Write names of different systems of medicines.
- b) Write a note on tragacanth mucilage.
- c) Write a note on camphor water.
- d) Give significance of pharmacopoeias with special reference to Indian pharmacopoeia.

OR

What do you know about British pharmacopoeia and United States pharmacopoeias, discuss?

2. a) Give advantages and disadvantages of oral route for drug administration.
- b) Give advantages and disadvantages of rectal route for drug administration.
- c) Write a note on lotions. [rgpvyonline.com](http://rgpvyonline.com)
- d) How do you classify the pharmaceutical dosage forms?

OR

Discuss various routes of drug administration (except oral route and rectal route). Give their merits and demerits.

3. a) Discuss the formula and method of preparation of chloroform water
- b) Give formula and method of preparation of weak iodine solution.
- c) Write a note on liniments.
- d) Give formulae and method of preparation of
  - i) Cresol with soap solution
  - ii) Aromatic spirit of ammonia.

OR

Write a note on various types of ointment bases. Give their merits and demerits.

4. a) How do you prepare syrup USP containing 85% w/v sucrose solution.
- b) You have 20% v/v hydro-alcoholic solution. How shall you prepare hydro-alcoholic solution of 5% v/v strength by dilution with water.
- c) Write a note on displacement value.
- d) How do you mix aqueous solutions containing 10% w/v, 20% w/v and 30% w/v solutions of a drug to get a drug solution of 25% w/v strength?

OR

Write a note on emulsions.

5. a) Differentiate syrup IP and syrup USP.
- b) Write very brief note on extracts.
- c) Differentiate infusions and decoctions.
- d) Write a detailed note on maceration process.

OR

Write a detailed note on percolation process.

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