

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

Examination, June 2015

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 questions 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) Enlist various routes of administrations.
- b) Define emulsion and enumerate the types of emulsion.
- c) Write a short note on spirits.
- d) Write an exhaustive note on ointment bases.

OR

Give formula, method of preparation and uses of following:

- i) Calamine lotion I.P.
- ii) Simple syrup I.P

2. a) Define aromatic water and give one example of aromatic water.
- b) Give the name of two elixirs official in I.P.
- c) Define tinctures? Enlist methods of preparation of tinctures giving one example each.

- d) Differentiate between maceration and percolation.

OR

Differentiate between flocculated and deflocculated suspension.

3. a) Define infusions.
- b) Define cream and give two examples of it.
- c) Discuss about different systems of weights.
- d) Give an account on history of pharmacy in India.

OR

Write a note on Indian pharmacopoeia.

4. a) Give the name of two products of solutions official in I.P.
- b) Discuss in brief about parenteral route of administration.
- c) Classify the pharmaceutical dosage forms.
- d) Calculate the quantity of alcohol will require to prepare 900ml of 40% alcohol from 85% of alcohol.

OR

Convert:

- i) 60% v/v alcohol into proof strength.
- ii) 35°O/P into % v/v alcohol.

5. a) Define Glycerites.
- b) Define liniments.
- c) Write a note on displacement value.
- d) Discuss the factors responsible for instability of emulsion.

OR

Discuss various systems of medicines.