

Roll No .....

**PY-103**

**B.Pharm. I Semester**

Examination, December 2016

**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) Define dosage forms.
- b) Define pharmacopoeia.
- c) Give a note on Indian pharmacopoeia.
- d) Explain various system of medicines.

OR

Discuss the history of pharmacy in detail.

2. a) Define spirits.
- b) What do you mean by mixtures?
- c) Differentiate syrup and elixir.
- d) Give general formulation and official products of the following :
  - i) Lotion
  - ii) Syrup

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OR

Explain the formulation of liniment and gargle with official products.

3. a) Define decoction.
- b) What are milk and magmas?
- c) Differentiate gargles and mouthwashes.
- d) Discuss the formulation and dispensing procedure of emulsion and suspension.

OR

Write a note on ointment bases.

4. a) Define tinctures.
- b) What are aromatic waters?
- c) Discuss the type of emulsion with identification tests.
- d) Classify and describe pharmaceutical dosage form with suitable examples.

OR

Discuss various routes of administration.

5. a) What is alligation method?
- b) Explain displacement value.
- c) Give the formulation of creams.
- d) If the adult dose of a drug is 200 mg. What will be the dose for a child of 8 years.

OR

Convert :

- i) 70% V/V alcohol into proof strength
- ii) 20° O/P into % V/V alcohol

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