

Total No. of Questions : 6]

SEAT No. :

P3137

[Total No. of Pages : 2

[5245]-101

First Year B.Pharmacy (Semester - I)

1.1.1T PHARMACEUTICS - I

(2013 Pattern)

Time : 3 Hours]

[Max. Marks : 70

Instructions to the candidates:

- 1) Answers to the two Sections should be written in separate books.
- 2) Neat diagrams must be drawn wherever necessary.
- 3) Figures to the right indicate full marks.

SECTION - I

Q1) Attempt any one :

[10]

How excipients are classified? Add a note on flavours and colors used in pharmaceuticals.

OR

Write the history of pharmacy profession in India; also write a note on Pharmacy code of ethics.

Q2) Attempt any Five :

[15]

- a) What is Pharmacopoeia? Add a note on Indian Pharmacopoeia.
- b) Explain the different preservatives used in pharmaceuticals.
- c) Give the classification of dosage forms.
- d) Describe Unani and Siddha as an alternate system of medicine.
- e) Write the scope of formulation development.
- f) Write the different sources of drug with suitable examples.
- g) Describe Homoeopathy as an alternate system of medicine.

Q3) Write short notes (any two) :

[10]

- a) Principle of Ayurveda.
- b) Career opportunities after pharmacy graduation.
- c) Scope of pharmaceutical engineering.
- d) Routes of drug administration.

P.T.O.

SECTION - II

Q4) Attempt any one : **[10]**

Discuss in detail formulation aspect of Pharmaceutical solutions.

OR

Differentiate between Quality control and Quality Assurance, explain cGMP requirement for pharmaceuticals.

Q5) Attempt any Five : **[15]**

- a) Why preservatives are not added in Simple Syrup I.P.?
- b) Discuss formulation of simple linctus and give direction for its administration.
- c) What are elixirs? Write the formulation ingredients used in any-one elixir preparation.
- d) Explain mechanism of solubilization of dill oil in Concentrated Dill Water I.P.
- e) Explain any one method for preparation of Aromatic Water.
- f) Why excessive heating of glycerin is avoided during preparation of paints?
- g) Write the composition of any one mouth wash preparation.

Q6) Write short notes (any two) : **[10]**

- a) Solvents used in pharmaceutical solutions.
- b) Enema.
- c) Medicated syrups.
- d) Sweeteners in pharmaceuticals.

