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[5245]-1001

First Year B. Pharmacy (I Sem.) EXAMINATION, 2017

PHARMACEUTICS—I

(2015 PATTERN)

Time : Three Hours

Maximum Marks : 60

N.B. :— (i) Answers to the two Sections should be written in separate answer-books.

(ii) Neat diagrams must be drawn wherever necessary.

(iii) Figures to the right indicate full marks.

SECTION I

1. Attempt any *one* of the following : [10]

Define dosage form. Discuss the classification of dosage form and add a note on different routes of drug administration.

OR

Write the history of pharmacy profession in India. Also write a note on the scope of formulation development.

2. Attempt any *four* of the following : [12]

(a) Write the rationale for development of dosage form.

(b) Write the scope of pharmaceutical engineering.

(c) What is pharmacopoeia ? Add a note on Indian pharmacopoeia.

(d) Describe Siddha and Unani as an alternate system of medicine.

P.T.O.

- (e) Write the principles of Ayurveda.
- (f) Write the different sources of drug with suitable examples.
- (g) Write the scope of physical pharmacy and dispensing practices.

3. Write short notes on (any *two*) : [8]

- (a) Career opportunities after pharmacy graduation.
- (b) British Pharmacopoeia.
- (c) Principles of Homoeopathy.
- (d) Pharmacy code of ethics.

SECTION II

4. Attempt any *one* of the following : [10]

Discuss physicochemical properties to be studied for preformulation of liquid dosage form.

OR

Explain the concept of excipients. Define and classify excipients with examples.

5. Attempt any *four* of the following : [12]

- (a) Write the difference between simple syrup IP and simple syrup USP.
- (b) Write formulation ingredients, procedure and direction of simple linctus IP.
- (c) Write difference between quality control and quality assurance.
- (d) Discuss viscosity measurement for solutions.

- (e) Explain in brief "ENT preparations".
- (f) Discuss in brief enema.
- (g) Explain the mechanism of solubilization of dill oil in concentrated dill water IP.

6. Write short notes on (any *two*) : [8]

- (a) Polymorphism
- (b) Elixirs
- (c) c-GMP
- (d) Methods of aromatic water preparation.