

2055

B.A./B.Sc. (General) Sixth Semester
Industrial Chemistry
Paper - B: Pharmaceuticals

Time allowed: 3 Hours

Max. Marks: 75

NOTE: Attempt five questions in all, including Question No. I which is compulsory and selecting one question from each Unit.

x-x-x

I. Write notes on the following:-

- a) Viscosity builders
- b) Tannins
- c) S orbital
- d) Antioxidants
- e) Binders

(5x3)

UNIT - I

II. Discuss development of Indian Pharmacopoeia.

(15)

III. Discuss in detail:-

- a) Coating agents
- b) Emulsifying agents
- c) Antioxidants

(3x5)

UNIT - II

IV. Discuss in detail surgical dressings, sutures ligatures with respect to the process, equipment used for manufacture.

(15)

V. Write detailed notes on:-

- a) Legal aspects of drugs
- b) Quality control of packaging materials
- c) Evaluation of crude drugs

(3x5)

UNIT - III

VI. Discuss pharmaceutical quality control with respect to sterility testing, pyrogenic testing, glass testing bulk density of powder.

(15)

P.T.O.

(2)

VII. Discuss in detail of raw materials, process of manufacture and effluent handling of following bulk drugs:-

a) Sulphaguandine

b) Sulphemethoxazole

(15)

UNIT - IV

VIII. Discuss details of raw materials, process of manufacture and effluent handling of any three bulk drugs:-

a) Vitamin A

b) Testosterone

c) Atenol

d) Methyl dopa

(3x5)

IX. Discuss biotransformation processes for 11-hydroxylation in steroids.

(15)

x-x-x