

2072

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) Flavouring agents
- b) Surgical sutures
- c) Intro of EP and NF
- d) Evolution of crude drugs
- e) Diluents

(5x3)

UNIT - I

II. Discuss in detail development of Indian pharmacopoeia.

(15)

III. Discuss in detail:-

- a) Antioxidants
- b) Tannins
- c) Preservatives

(3x5)

UNIT - II

IV. Discuss in detail steps in evaluation of crude drugs with respect to moisture content, extractive value and foreign organic matter.

(15)

V. Write detailed note on:-

- a) Quality control of packaging materials
- b) Ancillary material

(2x7½)

UNIT - III

VI. Discuss various isolation procedures for active ingredients taking example of Sapegenin.

(15)

P.T.O.

(2)

VII. Discuss the details of raw materials, process of manufacture and effluent handling for following bulk drugs:-

a) Sulphamethoxazole

b) Ibuprofen

(15)

UNIT – IV

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

a) Vitamin A

b) Testosterone

c) Propranolol

d) Methyl dopa

(3x5)

IX. Give general principles of fermentation process and production processing. (15)

x-x-x