

Exam.Code:0006

Sub. Code: 0580

2054

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) Binders

b) Diluents

c) Viscosity builders

d) Surgical sutures

e) Antioxidants

(5x3)

UNIT - I

II. Discuss various types of formulations and routes of administrations.

(15)

III. Discuss in detail:-

a) Colouring agents

b) Coating agents

c) Lubricants

(3x5)

UNIT - II

IV. Discuss in detail steps involved in quality control of packaging materials, important schedules and some legal aspects of drugs.

(15)

V. Write detailed notes on:-

a) FDA

b) Legal aspects of drugs

c) Surgical dressings

(3x5)

UNIT - III

VI. Discuss the various isolation procedures for active ingredients eg sapogenin. (15)

P.T.O.

(2)

- VII. Discuss in detail of raw materials, process of manufacture and effluent handling of following bulk drugs:-
- a) Sulpheguandine
 - b) Sulphemethoxazole
- (15)

UNIT - IV

- VIII. Discuss briefly of raw materials, process of manufacture and effluent handling of any three bulk drugs:-
- a) Vitamin C
 - b) Atenolol
 - c) Pentobarbital
 - d) Methyl dopa
- (3x5)
- IX. Discuss general principles of fermentation processes and product processing. (15)

x-x-x