

1059

B.A./B.Sc.(General)-6<sup>th</sup> 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.

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I. Write notes on: -

- (a) Introduction of EP and NF.
- (b) Emulsifying agents
- (c) Evaluation of crude drugs
- (d) Tannins
- (e) Principle of fermentation (5×3)

**UNIT – I**

II. Discuss in detail the aseptic conditions for sterilization and various methods by which it is brought about. (15)

III. Discuss in detail: -

- (a) Lubricants
- (b) Preservatives
- (c) Colouring agents (3×5)

**UNIT – II**

IV. Give details of steps involved in Pharmaceutical Packaging. (15)

V. Write detailed notes on: -

- (a) Surgical dressings
- (b) Ancillary material in packaging
- (c) Legal aspects of drugs (6+4+5)

**UNIT – III**

VI. Give the details of any three plant constituents used in Pharmaceutics. (15)

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

- (a) Furazolidine
- (b) Sulphamethoxazole (15)

**P.T.O.**

(2)

UNIT-IV

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

- (a) Testosterone
- (b) Vitamin A
- (c) Propranolol
- (d) Chloropheniramine moleote (3×5)

IX. Give details of biotransformation process for manufacture of prednisolone and 11-hydroxylotion process in steroids. (15)

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