

Exam. Code: 0006
Sub. Code: 17580

2056
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. 1 which is compulsory and selecting one question from each Unit.

x-x-x

1. Write a note on the following:-

- a) Coating agents
- b) Viscosity builders
- c) FDA
- d) Flavonoids and tannins
- e) Barbiturates

(5x3)

UNIT - I

2. Discuss in detail the aseptic conditions needed for sterilization and describe various methods of sterilization. (15)

3. Discuss in detail:

- a) Preservatives
- b) Colouring agents
- c) Diluents

(3x5)

UNIT - II

4. Discuss in detail the plant classification and preparation for the market and storage of medicinal plants. (15)

5. Write detail note on:

- a) Legal aspects of drugs
- b) Ancillary materials
- c) Evaluation of crude drugs

(3x5)

UNIT - III

6. Discuss the chemical constituents of plants with emphasis on waxes, volatile oils, glycosides and alkaloids (15)

P.T.O.



(2)

7. Discuss the details of raw materials, process of manufacturing and effluents handling for the following bulk drugs:
- a) Chloramphenicol
 - b) Ibuprofen
- (15)

UNIT - IV

8. Discuss the details of raw materials, process of manufacturing and effluents handling for the following drugs:
- a) Propranolol
 - b) Progesterone
 - c) Vitamin C
- (3x5)
9. Discuss the general principles of the fermentation process and explain the biotransformation process for prednisolone.
- (15)

x-x-x