

BSc DEGREE EXAMINATION MAY 2018
(Sixth Semester)

Branch – **CHEMISTRY**

CORE ELECTIVE – II PHARMACEUTICAL CHEMISTRY

Time : Three Hours

Maximum : 75 Marks

SECTION-A (20 Marks)

Answer **ALL** questions

ALL questions carry **EQUAL** marks (10 x 2 = 20)

- 1 Define the term "Drug".
- 2 What is meant by botulism?
- 3 Define analgesics. Give any two analgesics.
- 4 Write the structure of chloramphenicol.
- 5 Mention the uses of dyes in the diagnosis and treatment of diseases.
- 6 Define sedative. Give an example.
- 7 Give any two medicinal uses of the compounds of arsenic.
- 8 Mention any two drugs used to test organ's functions.
- 9 What is meant by coagulant and anti-coagulant?
- 10 Define hypertensive agent. Give an example.

SECTION - B (25 Marks)

Answer **ALL** Questions

ALL Questions Carry **EQUAL** Marks (5 x 5 = 25)

- 11 a Discuss the estimation of sugar in urine.
OR
b Write notes on the causes, symptoms and treatment of jaundice.
- 12 a Describe the preparation, structure and uses of paracetamol.
OR
b Explain the mode of action and uses sulphapyridine.
- 13 a Discuss the role of phenolic compounds as disinfectants.
OR
b What are anti-neoplastic drugs? Explain any two antineoplastic drugs with their uses.
- 14 a Write notes on (i) Milk of magnesia and (ii) Aminohippuric acid.
OR
b Write the therapeutic uses of (i) Ferrous gluconate and (ii) Agent for liver function.
- 15 a Explain the clotting mechanism of blood.
OR
b Give an account on blood groups and Rh factor.

SECTION - C (30 Marks)

Answer any **THREE** Questions

ALL Questions Carry **EQUAL** Marks (3 x 10 = 30)

- 16 i) Explain the various routes of drug administration.
- ii) Describe the estimation of cholesterol in serum. (5+5)
- 17 Discuss the structure and uses of (i) Penicillin and (ii) Pethidine. (5+5)
- 18 Write notes on (i) Sedatives and (ii) Chloro compounds in medicine. (5+5)
- 19 Describe the causes, propagation, prevention and treatment of AIDS.
- 20 Write an essay on the cardiovascular drugs.