

**Second Year B.Sc Perfusion Technology Degree Supplementary Examinations
March 2020**

**Pharmacology
(2016 Scheme)**

Time: 3 Hrs

Max. Marks:80

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers*
- *Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

Essays:

(2x10=20)

1. Classify anti anginal drugs. Describe the mechanism of action, dosage, side effects, contra indications and uses of glyceryl trinitrate.
2. Classify opioid analgesics. Describe the pharmacological actions, uses, adverse effects and contraindications of morphine.

Short notes:

(6x5=30)

3. Inhalational agents used in bronchial asthma
4. Classification of sedative hypnotic agents and clinical uses of diazepam
5. Classification of cephalosporins with the clinical uses of third generation compounds
6. Mechanism of action, clinical uses and adverse effects of prednisolone.
7. Mechanism of action, therapeutic uses, and adverse effects of heparin.
8. Immunosuppressive agents.

Answer briefly:

(10x3=30)

9. Bioavailability
10. Transdermal drug delivery system
11. Ophthalmic uses and contraindications of atropine
12. Name three positive inotropic agents and mention the mechanism of action of digoxin
13. Potassium sparing diuretic
14. Cardio selective beta blocking drugs
15. Antiplatelet agents
16. Statins
17. Calcium channel blockers
18. Lignocaine