

**Second Year B.Sc Perfusion Technology Degree Regular/Supplementary
Examinations February 2024**

**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 lipid lowering agents. Discuss the mechanism of action, uses and adverse effects of any ONE hypolipidemic. (4+2+2+2)
2. Classify general anaesthetics. Discuss the pharmacokinetics and pharmacodynamics of the inhalational anaesthetics. (4+3+3)

Short notes: (6x5=30)

3. Mechanism of action, uses, adverse effects of nitrates.
4. Actions, uses and contraindications of morphine.
5. 5 HT3 antagonists.
6. Mechanism of action, spectrum, uses and adverse effects of aminoglycosides.
7. Antiplatelet drugs.
8. Treatment of shock.

Answer briefly: (10x3=30)

9. Skeletal muscle relaxants.
10. Potassium sparing diuretics.
11. Antitussives.
12. Uses of atropine.
13. Current regimen for management of drug sensitive tuberculosis.
14. Adverse effects of steroids.
15. Calcium channel blockers.
16. Bioavailability.
17. Lignocaine.
18. Tacrolimus.
