

**Q.P. CODE: 214016**

**Reg. No: .....**

**Second Year B.Sc Perfusion Technology Degree Regular/Supplementary  
Examinations February 2025**

**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 antihypertensives. Discuss the mechanism of action, uses and adverse effects of any ONE group. (4+2+2+2)
2. Classify analgesics. Differentiate between the mechanism of action, uses and adverse effects of opioid and non-opioid analgesics. (4+2+2+2)

**Short notes:**

**(6x5=30)**

3. Intravenous general anaesthetic agents.
4. Inhalational agents use in bronchial asthma.
5. Compare and contrast intravenous fluids and plasma expanders.
6. Classification, mechanism of action, uses and adverse effects of cephalosporins.
7. Fibrinolytic agents.
8. Classification and uses of Immunosuppressive agents.

**Answer briefly:**

**(10x3=30)**

9. Cardiac uses of Beta blockers.
10. Metoclopramide.
11. Cardioplegic drugs.
12. First pass metabolism.
13. Coronary vasodilators.
14. Uses of corticosteroids.
15. Classification of Diuretics.
16. Low molecular Weight Heparin.
17. Succinylcholine.
18. Lignocaine+ Adrenaline - Advantages and Contraindications.

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