

# Rajiv Gandhi University of Health Sciences, Karnataka

II Year B.Sc. Anaesthesia Technology & Operation Theatre Technology

Degree Examination – 22-May-2023

Time: Three Hours

Max. Marks: 100 Marks

## Applied Pharmacology

**Q.P. CODE: 3401**

Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary



### LONG ESSAYS (Answer any two)

2 x 10 = 20 Marks

1. Define general anaesthetics. Classify them and write a detailed note on any one inhalation general anaesthetics.
2. Define diuretics. Classify and write the mechanism of action, uses and side effects of furosemide.
3. Write a note on vasopressors.

### SHORT ESSAYS (Answer any ten)

10 x 5 = 50 Marks

4. Aspirin – mode of action, indication and dose.
5. Pharmacological protection of organs during Cardio Pulmonary Bypass.
6. Write a note on neuromuscular blocking agents and its uses.
7. Classify antianginal drugs given one example for each class. Write a note on propranolol.
8. Diazepam – mode of action, indication and adverse effect.
9. Pharmacotherapy of cough.
10. Third generation cephalosporins.
11. Quinine – Indication and adverse effect.
12. Write a note on electrolyte supplements.
13. What are analgesics? Write the mechanism of action, precautions and uses of morphine.
14. Warfarin – Indication, dose and mode of action.
15. Write the mechanism of action acetyl cholinesterases, their uses and adverse effect.

### SHORT ANSWER (Answer any ten)

10 x 3 = 30 Marks

16. Name any three opioid analgesics.
17. Name any three potassium sparing diuretics.
18. Phases of Biotransformation.
19. Name any three CNS stimulants.
20. Name three antiemetics and its uses.
21. Name three anti-tussives and its uses.
22. Halothane – Indication and adverse effect.
23. Drugs used as pre-anaesthetic medication.
24. Adverse effects of corticosteroids.
25. Name the drugs used in electrolyte imbalance.
26. Name the first line antitubercular drugs.
27. Name any three H1 antihistaminics with their pharmacological action.

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