

Rajiv Gandhi University of Health Sciences, Karnataka

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

Degree Examination – 04-Nov-2025

Time: Three Hours
100

Max. 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 anesthetics. Classify them. Compare and contrast halothane and ether
2. Define diuretics. Classify and write the mechanism of action, uses and side effects of thiazide diuretics
3. Define bioavailability. Write in detail about factors affecting drug absorption

SHORT ESSAYS (Answer any ten)

10 x 5 = 50 Marks

4. Paracetamol – mode of action, indication and treatment of paracetamol poisoning
5. Treatment of anaphylactic shock
6. Compare and contrast neostigmine and physostigmine
7. Classify local anesthetics. Enumerate all techniques
8. Diazepam – mechanism of action, uses and antidote for its poisoning
9. Pharmacotherapy of status asthmaticus
10. Aminoglycoside – examples, uses and adverse effects
11. Alpha blockers
12. Write a note on electrolyte supplements
13. What are analgesics? Write the mechanism of action, precautions and uses of morphine
14. Warfarin – mechanism of action, uses and adverse effects
15. Write the mechanism of action of reversible anticholinesterases, their uses and adverse effects

SHORT ANSWER (Answer any ten)

10 x 3 = 30 Marks

16. Name any three antihistaminics
17. Name any three potassium sparing diuretics
18. Phases of biotransformation
19. Name any three antiepileptic drugs
20. Three uses of skeletal muscle relaxants
21. Name any three mucolytics and its uses
22. Why Halothane is preferred in children?
23. Why atropine is used as pre anesthetic medication?
24. Adverse effects of corticosteroids
25. Name three antiemetics
26. Rifampicin – adverse effects
27. Classify antibiotics
