

# Rajiv Gandhi University of Health Sciences, Karnataka

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

Degree Examination – 12-May-2026

Time: Three Hours

Max. Marks: 100

### 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. Classify skeletal muscle relaxants. Discuss the mechanism of action, uses and adverse effects of succinylcholine
2. Classify antihypertensive drugs. Write the therapeutic uses and adverse effects of ACE inhibitors
3. Classify drugs used in bronchial asthma. Discuss the mechanism of action, therapeutic uses and adverse effects of salbutamol

#### SHORT ESSAYS (Answer any ten)

10 x 5 = 50 Marks

4. Warfarin
5. Adverse drug reactions
6. Uses and adverse effects of morphine
7. Uses and adverse effects of glucocorticoids
8. Classify local anaesthetics. Write the uses of Lignocaine
9. Therapeutic uses of benzodiazepines
10. Proton pump inhibitors
11. Antiplatelet drugs
12. Combination of antimicrobial agents
13. Intravenous general anaesthetics
14. Organic nitrates
15. Second generation antihistamine

#### SHORT ANSWER (Answer any ten)

10 x 3 = 30 Marks

16. Cardioplegic solutions
17. Name three IV fluid preparations and mention their uses
18. Name two coronary vasodilators
19. Name three hypolipidemic drugs
20. Antifibrinolytics
21. Name three drugs used in treatment of dry cough
22. Name three potassium sparing diuretics
23. Enlist the drugs used to treat insomnia
24. Enumerate three immunosuppressants
25. Name three antiseptics and disinfectants
26. Name three antiemetics
27. Name three hypolipidemic agents

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