Rajiv Gandhi University of Health Sciences, Karnataka

II Year B.Sc. Anaesthesia Technology & Operation Theatre Technology
Degree Examination – 03-Nov-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 NSAIDS. Discuss the actions, adverse effects and uses of aspirin
2. Classify beta blockers. Write in detail about mechanism of action, uses and contraindication of propranolol
3. Classify beta lactam antibiotics. Write in detail about mechanism of action uses and adverse effect of penicillin

SHORT ESSAYS (Answer any ten) **10 x 5 = 50 Marks**

4. Spironolactone
5. Anticoagulants – examples, uses and adverse effects
6. Uses and adverse reactions of Phenytoin
7. Dantrolene
8. Pre anesthetic medication
9. Spinal anesthesia
10. Rifampicin
11. Morphine – uses and contraindications
12. Calcium channel blockers
13. Propofol
14. Ranitidine
15. Treatment of iron poisoning

SHORT ANSWER (Answer any ten) **10 x 3 = 30 Marks**

16. Define prodrug. Give two examples
17. Mechanism of action of digoxin
18. Low dose aspirin in myocardial infraction. Explain the rational
19. Statins are administered at night – give reason
20. Cardioplegic solutions
21. Name two angiotensin receptor blockers
22. Name two drugs used in shock
23. Osmotic diuretics – Give two examples and two uses
24. Antitussives
25. Drugs used in status asthmaticus
26. Inotropic drugs
27. Side effects of Lignocaine

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