

Rajiv Gandhi University of Health Sciences, Karnataka
II Year B.Sc. Allied Health Sciences Degree Examination – 07-May-2026

Time: Three Hours

Max. Marks: 100

APPLIED PHARMACOLOGY (RS-3)
(Anaesthesia Technology and Operation Technology)

Q.P. CODE: 3406

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary

LONG ESSAYS (Question No.2 Choice)

2 x 10 = 20 Marks

1. Classify General anesthetics. Enumerate inhalational anesthetics, compare and contrast halothane and ether
2. Classify beta – lactam antibiotics. Write in detail about mechanism of action and uses of penicillin

OR

Classify diuretics. Write mechanism of action, uses and adverse effects of loop diuretics

SHORT ESSAYS (Question No.5 & 10 choice)

10 x 5 = 50 Marks

3. Bland aerosols in respiratory care
4. Uses of atropine
5. Adverse effects of tetracycline
6. Intravenous fluids to correct electrolyte and acid-base imbalance
7. Pre-anesthetic medications
8. Uses of corticosteroids
9. Drug antagonism
10. Treatment of anaphylactic shock

OR

Compare and contrast d-tubocurarine and succinylcholine

11. Spinal Anesthesia
12. Rifampicin: Mechanism of action, uses and adverse effects

SHORT ANSWER (Question No. 15 & 20 choice)

10 x 3 = 30 Marks

13. Define biotransformation. Mention its types
14. Adverse effects of phenytoin
15. Name two antiplatelets agent and two uses of same

OR

Name two oral iron preparations and two adverse effects of ferrous sulphate

16. Mention three mucolytic agents
17. Why adrenaline is combined with lignocaine?
18. Mention three antiarrhythmic drugs
19. Mechanism of action of digoxin
20. Why morphine is not used in head injury?

OR

Techniques of local anaesthesia

21. Mention three drugs used in treatment of myocardial infarction
22. Treatment of OP poisoning
