

Rajiv Gandhi University of Health Sciences, Karnataka
II Year B.Sc. Allied Health Sciences Degree Examination – 08-May-2025

Time: Three Hours

Max. Marks: 100 Marks

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 local anaesthetics. Explain its mechanism of action, side effects with five examples.
2. Classify diuretics. Explain the high ceiling diuretics giving their uses and side effects.

OR

Classify antiarrhythmic drugs giving two examples in each class. Write a note on the mechanism of action of any one class.

SHORT ESSAYS (Question No.5 & 10 choice)

10 x 5 = 50 Marks

3. Classify Immunosuppressants.
 4. Statins – Indication and adverse effect.
 5. Verapamil – mode of action and indication.
- OR**
- Captopril – mode of action and indication.
6. Dopamine therapeutic uses.
 7. Write a note on the pharmacological protection of organs during Cardio Pulmonary Bypass.
 8. Classify Cephalosporins.
 9. Write a note on the mechanism of action of peripherally acting skeletal muscle relaxants.
 10. Write a note on drugs used in electrolyte imbalance.

OR

Add a note on H₁-antihistaminics.

11. Warfarin – Indication and mode of action.
12. Two different IV fluids.

SHORT ANSWER (Question No. 15 & 20 choice)

10 x 3 = 30 Marks

13. Uses of bile acid sequestrants with examples.
 14. Name three cardiac glycosides.
 15. Enlist the pharmacological action of alcohol.
- OR**
- Uses of adrenaline.
16. Name the drugs which belong to broad spectrum antibiotics.
 17. Name the contraindications of morphine.
 18. Routes of administration of corticosteroids.
 19. Uses of diazepam.
 20. Define Bioavailability.

OR

Define Biotransformation.

21. Name any three Anti-fibrinolytics.
22. Name any three pre-anaesthetic medication.
