

Rajiv Gandhi University of Health Sciences, Karnataka

II Year B.Sc. Optometry Degree Examination - 15-May-2025

Time: Three Hours

Max. Marks: 100 Marks

MICROBIOLOGY, PATHOLOGY AND PHARMACOLOGY (RS – 4)

Section B: PHARMACOLOGY (50 Marks)

Q.P. CODE: 3350

Your answers should be specific to the questions asked

Draw neat, labeled diagrams wherever necessary

(Note: Both QP Codes 3349 and 3350 are to be answered within total duration of 3 hours)

LONG ESSAYS (Question No. 1 choice)

1 x 10 = 10 Marks

1. What are the factors governing the pharmacokinetics of drug? Discuss in detail about absorption of drug

OR

Classify anti-glaucoma drugs. Describe the mechanism of action of each group of drug

SHORT ESSAYS (Question No. 5 choice)

5 x 5 = 25 Marks

2. Write short note on pharmacotherapy of ocular infection
3. Describe different uses and the side effects of local anaesthesia drugs
4. Describe anti-inflammatory drugs used in eye disorder
5. Anticoagulants

OR

Explain antibacterial drug in ophthalmic use with example

6. Explain pharmacodynamics of drug

SHORT ANSWERS

5 x 3 = 15 Marks

7. Immunomodulators in ophthalmic practice
8. Ocular drug delivery system
9. Oral anti-diabetic drugs
10. Define agonist and antagonist drugs
11. Mention three side effects of corticosteroids therapy on eye
