

# Rajiv Gandhi University of Health Sciences, Karnataka

II Year B.Sc. Optometry Degree Examination - 14-May-2026

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. Define Pharmacokinetics. Explain the factors influence the drug action

**OR**

Discuss in detail ocular drug delivery system

#### SHORT ESSAYS (Question No. 5 choice)

**5 x 5 = 25 Marks**

2. Therapeutic use and adverse effect of corticosteroids
3. Lignocaine
4. Therapeutic uses and adverse effect of opioids analgesics
5. Explain the mechanism of action and adverse effect of ACE inhibitors

**OR**

Anti-hypertensive drugs – classification, mechanism and action

6. Define antibiotics. Write briefly on Pharmacology of Benzyl Penicillin

#### SHORT ANSWERS

**5 x 3 = 15 Marks**

7. Plasma half life
8. What is Sedative? Give two examples
9. Drug tolerance
10. Sources of drug
11. Name Anti-inflammatory drugs

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