

# Rajiv Gandhi University of Health Sciences, Karnataka

**II Year B.Sc. Optometry Degree Examination - 20-Nov-2025**

**Time: Three Hours**

**Max. Marks: 100 Marks**

## **MICROBIOLOGY, PATHOLOGY AND PHARMACOLOGY (RS – 4)**

### **Section A: MICROBIOLOGY AND PATHOLOGY (50 Marks)**

**Q.P. CODE: 3349**

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 is Leukemia? Classification and explain chronic myeloid leukemia

**OR**

Write in detail about different types of culture methods

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

**5 x 5 = 25 Marks**

2. Discuss briefly TORCH complex
3. Give brief account of clinical manifestations of Syphilis
4. Complications of wound healing
5. Spread of malignant tumours

**OR**

Applications of commonly used disinfectants in hospital

6. Explain enriched and enrichment media

#### **SHORT ANSWERS**

**5 x 3 = 15 Marks**

7. Write any three ocular viral infections
8. Pneumococcus
9. Name three gram positive bacteria
10. Necrosis
11. Define thrombocytopenia

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