

# Rajiv Gandhi University of Health Sciences, Karnataka

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

**Time: Three Hours**

**Max. Marks: 80 Marks**

## **MICROBIOLOGY & PATHOLOGY, PHARMACOLOGY**

**Q.P. CODE: 3114**

### **SECTION A – MICROBIOLOGY AND PATHOLOGY (RS – 3) (40 Marks)**

Your answers should be specific to the questions asked

Draw neat, labeled diagrams wherever necessary

**(Note: Both QP Codes 3114 and 3115 are to be answered within total duration of 3 hours)**

#### **LONG ESSAYS (Answer any Two)**

**2 x 10 = 20 Marks**

1. Define sterilization and classify. Explain in detail about autoclave
2. Describe the lab-diagnosis of HIV –AIDS
3. Explain the classification, source, lab diagnosis and treatment of bacterial endophthalmitis

#### **SHORT ESSAYS (Answer any Two)**

**2 x 5 = 10 Marks**

4. Give an account of herpes simples virus
5. Define anemia and list the different types
6. Short notes on Mycotic keratitis

#### **SHORT ANSWERS**

**5 x 2 = 10 Marks**

7. Define embolism
8. What is inflammatory pseudo tumour of orbit?
9. Explain eyeworm
10. Name any three parasites causing eye infections
11. Describe staphylococcus aureus

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