

**Rajiv Gandhi University of Health Sciences, Karnataka**  
**III Year B.Sc. Optometry Degree Examination – 11-May-2026**

**Time: Three Hours**

**Max. Marks: 100 Marks**

**SECTION A: SYSTEMIC DISEASES (RS-4)**

**Q.P. CODE: 3354**

Your answers should be specific to the questions asked  
Draw neat, labeled diagrams wherever necessary

**(Note : Both QP Codes 3354 and 3355 are to be answered within total duration of 3 hours)**

**LONG ESSAYS (Question No. 1 choice)**

**1 x 10 = 10 Marks**

1. Explain the classification, diagnosis, pathophysiology and management of rheumatic fever  
**OR**  
Describe the anatomy and physiology of thyroid gland. Write briefly on thyroid eye disease

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

**5 x 5 = 25 Marks**

2. Explain the diagnosis and principle of treatment of cancer
3. What is mitosis and meiosis? Explain briefly on cell division
4. Write a short note on the pathophysiology of arthritis
5. Give the treatment and complications of tuberculosis  
**OR**  
Explain the life cycle and management of malaria
6. Diabetes mellitus

**SHORT ANSWERS**

**5 x 3 = 15 Marks**

7. What is an antibody? Give two examples
8. Define balanced diet. Write two examples for protein energy malnutrition
9. What do you mean by Genetic Engineering?
10. Briefly explain the diagnosis and treatment of helminthiasis
11. Narrate the diagnosis procedures of genetic disease

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