

**Rajiv Gandhi University of Health Sciences, Karnataka**  
**I Year B.Sc. Optometry Degree Examination - 06-May-2026**

**Time: Three Hours**

**Max. Marks: 100**

**GENERAL ANATOMY AND GENERAL PHYSIOLOGY (RS-4)**

**Section B: GENERAL PHYSIOLOGY– (50 Marks)**

**Q.P. CODE: 3342**

Your answers should be specific to the questions asked

Draw neat, labeled diagrams wherever necessary

**(Note: Both QP Codes 3341 and 3342 are to be answered within total duration of 3 hours)**

**LONG ESSAYS (First Question Choice)**

**1 x 10 = 10 Marks**

1. Explain the various lung volumes and capacities with diagram

**OR**

Explain the mechanism of formation of urine

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

**5 x 5 = 25 Marks**

2. Explain the role and composition of gastric juice  
3. Define blood. Explain the composition and function of blood  
4. Define respiration. Discuss the transportation of blood gases  
5. Explain ABO and Rh blood group

**OR**

Explain mechanism of blood clotting

6. Describe menstrual cycle

**SHORT ANSWER (Question No. 10 choice)**

**5 x 3 = 15 Marks**

7. Function of gall bladder  
8. Types of immunity  
9. Functions of middle ear  
10. Neuron  
**OR**  
Nephron  
11. Functions of growth hormone

\*\*\*\*\*