# Rajiv Gandhi University of Health Sciences, Karnataka

**I Year B.Sc. Optometry Degree Examination - 02-Nov-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 process of digestion
   **OR**
   Discuss the parts of brain and its functions

**SHORT ESSAYS (Question No 5 choice)** **5 x 5 = 25 Marks**

2. Explain the normal value, function, instrument and methods of blood pressure measurement
3. Mechanism of urine formation
4. Morphology and function of erythrocytes
5. Composition of gastric juice
   **OR**
   Conduction system of heart
6. Describe the mechanism of respiration

**SHORT ANSWER (Question No. 10 choice)** **5 x 3 = 15 Marks**

7. Functions of cerebrospinal fluid
8. Surfactant
9. Any four functions of hypothalamus
10. Tidal volume
    **OR**
    Blood clothing factors
11. Types of reflexes

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