

Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Optometry Degree Examination - 21-May-2025

Time: Three Hours

Max. Marks: 100 Marks

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. Describe in detail the mechanism of action of hormones.

OR

Define cardiac output. Describe the factors regulating cardiac output.

SHORT ESSAYS (Question No 5 choice)

5 x 5 = 25 Marks

2. Describe in detail the excitation contraction coupling in skeletal muscles.
3. Mention the movements of small intestines and functions of small intestines.
4. Enumerate plasma proteins and describe functions of plasma proteins.
5. Differences between UMN and LMN lesions.

OR

Describe the short – term regulation of Blood pressure.

6. Development and functions of the platelets.

SHORT ANSWER (Question No. 10 choice)

5 x 3 = 15 Marks

7. Adrenal cortex
 8. Taste
 9. Hypoxia
 10. Cretinism
- OR**
- Insulin
 11. Hypothalamus
