

Rajiv Gandhi University of Health Sciences, Karnataka
I Year B.Sc. Optometry Degree Examination - 24-Nov-2023

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. What are blood cells and their normal values? Explain in brief classification, morphology and functions of leucocytes.

Or

Define respiration. Discuss the mechanism and regulation of respiration.

SHORT ESSAYS (Question No 5 choice)

5 x 5 = 25 Marks

2. Name hormones secreted by pituitary gland. Write an essay on action and functions of growth hormone.
3. With a neat labelled diagram explain Neuromuscular transmission.
4. Structure and function of skin.
5. Write in detail about Female reproductive cycles.

Or

Write in detail about the Gametogenesis.

6. Cardiac cycle-definition, duration and events.

SHORT ANSWER (Question No. 10 choice)

5 x 3 = 15 Marks

7. Function of hypothalamus.
8. Mention functions of kidney.
9. Transport mechanism across cell membrane.
10. Define reflex and reflex arc

Or

Define synapse and types of synapse.

11. List functions of Stomach.
