

Rajiv Gandhi University of Health Sciences, Karnataka

**II Semester B.O.T Degree Examination – 28-
Nov-2023**

Time: Three Hours

Max. Marks: 100 Marks

PHYSIOLOGY – II (OS/RS)

Q.P. CODE: 3416

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

LONG ESSAYS (Answer any Two)

2 x 10 = 20 Marks

1. Discuss features of skeletal, cardiac and smooth muscles.
2. Discuss menstrual cycle with respect to definition, duration, ovarian changes during menstrual cycle and applied physiology.
3. Briefly introduce descending tracts of spinal cord. Discuss pyramidal tracts in detail.

SHORT ESSAYS (Answer any Ten)

10 x 5 = 50 Marks

4. Functions of Placenta.
5. Discuss sliding theory of muscle contraction.
6. Sunderland's classification of nerve injuries.
7. Hyperthyroidism.
8. Briefly discuss properties of nerve fibers.
9. Myasthenia gravis.
10. Properties of synapse.
11. Presbyopia.
12. Discuss any three methods of fertility control.
13. Brown-sequard syndrome.
14. Discuss abnormalities of taste sensation.
15. Functions of smooth muscle.

SHORT ANSWERS (Answer any Ten)

10 x 3 = 30 Marks

16. Define and classify receptors.
17. Enumerate hormones secreted by anterior pituitary gland.
18. Discuss uses of Electroencephalogram.
19. Night blindness.
20. Draw a neat labelled diagram of neuromuscular junction.
21. Functions of medulla oblongata.
22. Functions of placenta.
23. Light reflex and its types.
24. Endurance of Muscle.
25. Advantages of breast milk.
26. Functions of CSF.
27. Define contractility and discuss types of muscle contraction.

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