

Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.P.T. Degree Examination – 12-Nov-2025

Time: Three Hours

Max. Marks: 100 Marks

HUMAN PHYSIOLOGY (RS - 5)

Q.P. CODE: 2732

Your answers should be specific to the questions asked.

Draw neat, labeled diagrams wherever necessary

LONG ESSAYS (Second Question choice)

2 x 10 = 20 Marks

1. Trace the pathway of pyramidal tracts. Mention its functions.
2. Describe the different stages of the erythropoiesis and explain the factors affecting erythropoiesis.

Or

Discuss the role of short term and long term regulatory mechanism of blood pressure.

SHORT ESSAYS (Question No.3 & 12 choice)

10 x 5 = 50 Marks

3. Explain how gastric juice secretion is regulated.

Or

Explain neural regulation of respiration.

4. Explain properties of nerve fibers.
5. Discuss the nerve supply of the urinary bladder and explain micturition reflex.
6. Write about uterine of thyroid hormones.
7. Explain about uterine changes during menstrual cycle.
8. Trace the visual pathway. Add a note on lesions in the visual pathway.
9. Describe synaptic transmission.
10. Discuss functions of hypothalamus.
11. Explain functions of plasma proteins.
12. Differentiate between REM and NREM sleep.

Or

Explain properties of receptors.

SHORT ANSWERS

10 x 3 = 30 Marks

13. Myasthenia gravis.
14. Dysbarism.
15. Junctional tissues of the heart.
16. Parkinsonism.
17. Surfactant.
18. Enumerate the actions of saliva.
19. Juxta glomerular apparatus.
20. List the features of diabetes mellitus.
21. Trace the ventral spino-thalamic tract and give its function.
22. Define active and passive transport with example.
