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Rajiv Gandhi University of Health Sciences, Karnataka
Second Semester B.Pharm Degree Examination – 29-Apr-2025

Time: Three Hours

Max. Marks: 75

Human Anatomy and Physiology-II
Q.P. CODE: 5005

Your answers should be specific to the questions asked
Draw neat labeled diagrams wherever necessary
All the questions are compulsory

LONG ESSAYS

2 x 10 = 20 Marks

1. Describe anatomy of pituitary gland and list out the hormones secreted by posterior pituitary gland and explain their function.
OR
Draw neat labelled diagram of brain and write the functions of cerebrum and cerebellum.
2. Explain the structure of lungs with the help of neat labelled diagram. Explain transport of respiratory gases.

SHORT ESSAYS

7 x 5 = 35 Marks

3. Write a note on regulation of respiration.
OR
Explain the functions of liver.
4. Explain genetic pattern of inheritance.
OR
Explain the absorption of water and nutrients in the small intestine.
5. Explain the biosynthesis and functions of thyroid hormones.
6. Define lung volumes and capacities.
7. Write the structure of neuron and write a note on types of neuropathia.
8. Explain role of kidneys in maintaining acid base balance.
9. Explain spermatogenesis.

SHORT ANSWERS

10 x 2 = 20 Marks

10. Write the organisation of CNS.
11. Define GERD and anorexia.
12. Name the respiratory muscles.
13. Write the functions of thyroid gland.
14. Write functions of hypothalamus.
15. Define Gigantism and Dwarfism.
16. What is artificial respiration?
17. Mention the different phases of menstruation.
18. Write the function of kidney.
19. Define protein synthesis and inheritance.
