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Rajiv Gandhi University of Health Sciences, Karnataka

I Year Pharma-D Examination – Jan 2014

Time: Three Hours **Max. Marks: 70 Marks**

HUMAN ANATOMY & PHYSIOLOGY

Q.P. CODE: 2851

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. Explain how the digestion of carbohydrates, fats and proteins take place.
2. Describe transport of oxygen and carbon dioxide in blood.
3. Explain the internal anatomy and physiology of the heart with the help of neat labeled diagram.

SHORT ESSAYS (Answer any Six) **6 x 5 = 30 Marks**

4. Explain the neuromuscular junction with the help of neat labeled diagram.
5. Describe the structure and functions of spinal cord.
6. Describe nervous tissue.
7. Explain the regulation of respiration.
8. Define blood pressure. Write the factors that affect blood pressure.
9. Describe the outflow of parasympathetic system.
10. Write a neat diagram of skin and explain its functions.
11. Write a note on menstrual cycle.

SHORT ANSWERS **10 x 2 = 20 Marks**

12. What is polycythemia?
13. Write the significance of heart beat.
14. Mention different types of WBC's and their functions.
15. What is reflex arc?
16. Write the endocrine functions of pancreas.
17. Write the structure and functions of Mitochondria.
18. Enlist the functions of liver.
19. What is tubectomy? How it is performed?
20. Mention the hormones of adrenal cortex.
21. Write the functions of medulla Oblongata.

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