

# Rajiv Gandhi University of Health Sciences, Karnataka

I Year Pharm-D Examination – DEC-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. What is cardiac cycle? Explain the various events of cardiac cycle.
2. Discuss in detail about the digestion and absorption of carbohydrates, proteins and fats in the small intestine.
3. Give details on synthesis, storage and release of thyroid hormones and add a note on functions of thyroxine.

#### **SHORT ESSAYS (Answer any Six)**

**6 x 5 = 30 Marks**

4. Classify joints with examples.
5. Describe the functions of cerebrum.
6. Explain the physiology of vision.
7. Give a note on the steps involved in the formation of urine.
8. Explain the physiology of skeletal muscle contraction.
9. Give the structure and functions of spleen.
10. Write a note on menstrual cycle.
11. Describe the functions of blood.

#### **SHORT ANSWERS**

**10 x 2 = 20 Marks**

12. Name the bones of cranium.
13. Functions of nucleus.
14. Define blood pressure and give its normal range.
15. Write a note on oxygen therapy.
16. Define vital capacity and give its normal value.
17. Functions of saliva.
18. Functions of kidney.
19. What is vasectomy?
20. What is CSF and add a note on its functions.
21. Effect of exercise on cardiovascular system

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