

# Rajiv Gandhi University of Health Sciences, Karnataka

## I Year Pharma-D Examination – Sep 2012

**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 the movement of respiratory gases during external and internal respiration
2. Draw neat labeled diagram of female reproductive system and explain the physiology of menstrual cycle.
3. With neat labeled diagram of nephron. Explain the formation of urine

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

4. Write the functions of liver
5. Explain the physiology of skeletal muscle contraction
6. Write composition and functions of blood
7. Explain the structure and functions of spleen
8. Functions of cerebrum
9. Genetical basis of sex determination
10. Write about temporary methods of contraception
11. Functions of skin

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

12. Cardiovascular changes during exercise
13. Functions of WBC
14. What is Rh factor
15. Functions of kidney
16. Functions of cerebrospinal fluid
17. Define: vital capacity and tidal volume
18. Write the functions of nucleus
19. Functions of small intestine
20. Define : Meninges and Sulcus
21. Enlist the organs of digestion in order

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