

# Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Pharm Degree Examination – Aug / Sep 2011

**Time: Three Hours**

**Max. Marks: 80 Marks**

## HUMAN ANATOMY & PHYSIOLOGY (Revised Scheme - 2)

**Q.P. CODE: 1951**

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. How does the digestion of carbohydrates, fats and proteins takes place?
2. Discuss Physiology of respiration in detail
3. Explain with the help of a neat diagram, the structure and functions of pituitary gland

### SHORT ESSAYS (Answer any Eight)

**8 x 5 = 40 Marks**

4. Explain permanent family planning methods
5. Write a note on adrenal gland disorders
6. Write the factors affecting blood pressure
7. What is the role of sex hormones in regulation menstrual cycle?
8. What is reflex arc? Explain its working
9. Write a note on tubular reabsorption in urine formation
10. What are the functions of plasma proteins?
11. Name cranial nerves and write their functions
12. Write a note on internal ear
13. Write a note on ovary

### SHORT ANSWERS

**10 x 2 = 20 Marks**

14. Polycythemia
15. Define cardiac cycle
16. Paratharmone
17. Name the hormones of neurohypophysis
18. What is renal clearance?
19. Lysosome
20. Acromegaly
21. Name muscles of respiration
22. What is synaptic cleft? State its functions
23. Define hypoxia and mention its types