

# Rajiv Gandhi University of Health Sciences, Karnataka

## I Year B.Pharm Degree Examination – Mar 2013

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

### HUMAN ANATOMY & PHYSIOLOGY (Revised Scheme 3)

**Q.P. CODE: 2601**

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 anatomy of respiratory organs. Explain transport of respiratory gases.
2. Write the structure and functions of neuron. Explain functional areas of brain.
3. Describe the structure and functions of the cell.

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

4. Explain ECG with diagram. Enumerate different events of cardiac cycle.
5. Write a note on mechanism of coagulation.
6. How is blood pressure maintained?
7. What is anemia? Explain different types of anemia.
8. Name different parts of urinary system and write their function.
9. Mention the hormones of pituitary gland & explain the functions of posterior pituitary gland.
10. Explain the physiology of menstruation.
11. Draw a neat, labeled diagram of ear and write its functions.

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

12. What is reflex arc? Give one example.
13. What is the composition of CSF?
14. Classify joints.
15. List the functions of spleen.
16. Write a note on blood grouping.
17. Write the normal values of  
(a) B.P (b) RBC count (c) Hb% (d) Clotting time.
18. Define hypotension & hypertension.
19. Enlist the functions of leukocytes.
20. Renal Clearance Test.
21. Write the structural components of bone.

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