

Rajiv Gandhi University of Health Sciences, Karnataka  
First Year Pharma-D Examination – Feb/March 2011

**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. Classify tissues with examples. Discuss Epithelial tissue.
2. Draw a neat labeled diagram of Ear. Explain its physiology.
3. What are the hormones secreted from pituitary gland? Discuss the regulation of their secretion and physiological function.

**SHORT ESSAYS (Answer any Six)**

**6 x 5 = 30 Marks**

4. Write the mechanism of Blood Coagulation.
5. Explain Electrocardiogram (ECG). Mention the different waves of ECG.
6. Write a note on Ovulation.
7. Write the functions of Blood.
8. Explain the mechanism of Respiration..
9. Write a note on Joints.
10. Write a note on Renin-Angiotensin system.
11. Describe digestion in small intestine.

**SHORT ANSWERS**

**10 x 2 = 20 Marks**

12. Write the functions of Plasma proteins.
13. Mention the difference between Insulin and Glucagon functions.
14. Define Cardiac arrhythmias.
15. Name the facial bones.
16. Write the functions of connective tissue.
17. Write the functions of organ of Corti.
18. What is diabetes Mellitus?
19. Define anemia.
20. Explain Coronary circulation.
21. Write the significance of renal clearance tests.

\*\*\*\*\*