

# Rajiv Gandhi University of Health Sciences, Karnataka

## I Year Pharm-D Examination – NOVEMBER 2015

**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. Draw a neat labeled diagram of Brain. Explain the functions of cerebrum & cerebellum.
2. Draw a neat labeled diagram of Ear. Explain the physiology of hearing.
3. Draw a neat labeled diagram of female reproductive system. Explain the physiology of menstrual cycle.

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

4. Discuss the mechanism of blood coagulation.
5. Discuss the synthesis, storage & functions of thyroid hormones.
6. What is ECG? Explain the different waves of ECG.
7. Explain the role of Renin-Angiotensin-Aldosterone system in maintaining the blood pressure.
8. Describe the internal structure of Heart with a neat labeled diagram.
9. Write the functions of medulla oblongata & hypothalamus.
10. Describe the exocrine and endocrine functions of Pancreas.
11. Explain the physiology of skeletal muscle contraction.

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

12. Functions of skin.
13. Name the different salivary glands. Give the composition of saliva.
14. Define Gigantism & Acromegaly.
15. Effect of exercise on cardiovascular system.
16. Significance of renal clearance tests.
17. Define Leukemia & Thrombocytopenia.
18. Define Tidal volume & Vital capacity.
19. What is Tubectomy & Vasectomy?
20. Functions of Ribosomes.
21. Name the bones of Axial skeleton.

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