

# Rajiv Gandhi University of Health Sciences, Karnataka

## First Semester B. Pharm Degree Examination – 15-Mar-2021

**Time: Three Hours****Max. Marks: 75 Marks****HUMAN ANATOMY AND PHYSIOLOGY - I****Q.P. CODE: 5001**

Your answers should be specific to the questions asked

Draw neat labeled diagrams wherever necessary

All the questions are compulsory

**LONG ESSAYS****2 x 10 = 20 Marks**

1. Define cardiac cycle. Explain various stages involved in cardiac cycle  
**OR**  
List out the factors involved in blood coagulation and write the mechanism of blood clotting
2. Classify tissue with examples. Discuss epithelial and connective tissue with examples

**SHORT ESSAYS****7 x 5 = 35 Marks**

3. Draw neat labelled diagram of reflex arc and write its physiology  
**OR**  
Classify joints with examples
4. Explain neuromuscular junction with neat labeled diagram  
**OR**  
Write the difference between sympathetic and parasympathetic nervous system
5. Define and write the regulation of blood pressure
6. Write the structure and functions of skin
7. Discuss the functions of lysosomes, Ribosome and Golgi complex
8. Draw a neat labeled diagram of ear
9. Write the physiology of vision.

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

10. Write the transportation mechanism involved through the cell membrane
11. Write the functions of cell
12. What is anatomical positions of human body? Write its significance
13. Write the functions of bones of skeleton
14. Write the histology of bones
15. Write the composition of blood
16. Define a) Erythropoiesis b) Cardiac output
17. Name the organs involved in lymphatic system
18. Write the functions of Mitochondria
19. Write two differences between arteries and veins

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