

# Rajiv Gandhi University of Health Sciences, Karnataka

First Semester B.Pharm Degree Examination – DEC-2017

**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

### **LONG ESSAYS (Answer any Two)**

**2 x 10 = 20 Marks**

1. Mention coagulation factors and write the mechanism of blood coagulation.
2. Explain the structure of eye and physiology of vision.
3. Explain the cardiac cycle.

### **SHORT ESSAYS (Answer any Seven)**

**7 x 5 = 35 Marks**

4. Draw a neat labelled diagram of a cell and mention one function of each organelle of a cell.
5. What is joint? Classify joints with examples.
6. What is ECG? Briefly explain each component of ECG.
7. Write a brief note on ABO system of blood grouping.
8. Explain the structure and functions of lymph nodes.
9. Classify epithelial tissues and explain the structures of epithelial tissues with one example each.
10. Write the composition and functions of blood.
11. Explain the functions of spinal cord and spinal nerves.
12. "Explain the Anatomy and Physiology of spleen".

### **SHORT ANSWERS**

**10 x 2 = 20 Marks**

13. Define diffusion and osmosis.
14. Mention the bones of the cranium.
15. Functions of mitochondria.
16. What is erythroblastosis foetalis?
17. List out the cranial nerves and their functions.
18. Write the significance of heart sounds.
19. Mention the functions of thymus gland.
20. Write non auditory functions of ear.
21. Write difference between cartilage and bone.
22. Define osteoporosis and rheumatoid arthritis.

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