

# Rajiv Gandhi University of Health Sciences, Karnataka

## First Semester B. Pharm Degree Examination – 10-Nov-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. Describe the stages of erythropoiesis and explain the stages involved in erythropoiesis  
**OR**  
Define sympathetic and parasympathetic nervous system and describe their physiological actions
2. Explain various events of cardiac cycle

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

3. Draw a neat labeled diagram of cell. Write the functions of nucleus  
**OR**  
Describe the structure and functions of squamous and cuboidal epithelium
4. Write the functions of blood  
**OR**  
Write the composition and functions of lymph
5. Explain physiology of muscle contraction
6. Write the composition and functions of bone
7. Describe physiology of vision
8. Describe factors regulating blood pressure
9. What is ECG? Briefly explain each component of ECG

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

10. Write the functions of mitochondria
11. Write the difference between cartilage and bone
12. Define mitosis and meiosis
13. Name the bones of lower limb
14. Write the functions of skin
15. Define Neuro muscular junction
16. Define anaemia. Mention different types of anaemia
17. Define conjunctivitis
18. Write the parts of ear
19. Define cardiac arrhythmias and congestive cardiac failure

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