

Rajiv Gandhi University of Health Sciences, Karnataka

First Semester B. Pharm Degree Examination – 02-Nov-2023

Time: Three Hours**Max. Marks: 75**

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. Classify tissue with examples. Write the structure of epithelial and muscular tissue.
OR
Explain internal structure of the heart with neat labelled diagram and Explain pulmonary circulation.
2. Write down the composition and functions of blood and explain various events of cardiac cycle.

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

3. Discuss the mechanism involved in the coagulation of blood.
OR
Write the structure and functions of spleen.
4. Discuss the various factors that regulate blood pressure.
OR
Define cell division. Write the stages involved in mitosis.
5. Draw a neat labelled diagram of eye.
6. Briefly explain each component of ECG and mention its significance.
7. Write the structure and functions of skin.
8. What is joint? Classify joints with suitable examples.
9. Draw a neat labelled diagram of a cell and mention the functions of each component.

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

10. Write the structure of reflex arc.
11. Define diffusion and osmosis.
12. Write the general principles of cell communication.
13. Write the structure of long bone.
14. Define cardiac output and blood pressure with their normal value.
15. Name the bones of skull.
16. Write the components of lymph.
17. Write the normal values of Differential leucocytes.
18. Define osteoporosis and rheumatoid arthritis.
19. What is megaloblastic anaemia? Mention its causes.
