

Rajiv Gandhi University of Health Sciences, Karnataka

First Semester B. Pharm Degree Examination – 13/Oct/2025

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

- With help of neat labelled diagram of eye explain the mechanism involved in vision

OR

Define erythropoiesis. Explain various stages involved in erythropoiesis

- What is cardiac cycle? Explain in detail the various events involved in cardiac cycle

SHORT ESSAYS

7 x 5 = 35 Marks

- Classify tissues with examples

OR

What is synovial joint? Explain its types with example

- Define cartilage. Mention its types, give the description and functions of each one of them

OR

What is Reflex arc? Explain its working

- Explain the functions of skin with a neat labeled diagram

- Write the differences between sympathetic and parasympathetic nervous system

- Write the origin and functions of spinal and cranial nerves

- Classify apendicular bones with examples

- Explain the physiology of hearing and write the name of smallest bones in our body

SHORT ANSWERS

10 x 2 = 20 Marks

- Write the functions of cell

- Classify joints

- Mention two disorders of the heart

- What are lysosomes? Give its function

- Write the composition of blood

- What is synaptic cleft? State its functions

- Write the structure and functions of plasma membrane

- Write conduction system of the heart

- Write the functions of rods and cones

- Name the facial bones
