

Rajiv Gandhi University of Health Sciences, Karnataka
I Semester Bachelor of Occupational Therapy Degree Examination – 14-Dec-2022

Time: Three Hours

Max. Marks: 100

HUMAN PHYSIOLOGY – I (RS)

Q.P. CODE: 3412

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. Describe the mechanical events of cardiac cycle with a neat labelled diagram
2. Describe the mechanism of respiration
3. Define homeostasis. Explain the homeostatic regulatory mechanism with suitable examples

SHORT ESSAYS (Answer any Ten)

10 x 5 = 50 Marks

4. Define GFR. Give its normal value. Describe the factors affecting GFR.
5. Describe the movements of small intestine.
6. Describe the stages of erythropoiesis.
7. Define hypoxia. Discuss different types of hypoxia.
8. Intercellular junctions
9. Enumerate the functions of skin.
10. Micturition reflex.
11. Oxygen- hemoglobin dissociation curve
12. What is ABO incompatibility? What are the hazards of incompatible blood transfusion?
13. Composition and functions of pancreatic secretion
14. Functions of plasma proteins.
15. Define Immunity. Describe its types.

SHORT ANSWERS (Answer any Ten)

10 x 3 = 30 Marks

16. Surfactant
17. Hemophilia
18. Define Shock. What are the different types of shock?
19. Steatorrhea
20. Acute Renal failure
21. Structure and functions of a) Mitochondria b) Golgi Apparatus
22. Define dead space. What are its types?
23. Functions of Gall bladder.
24. Define stroke volume and heart rate. Give its normal value.
25. Define Jaundice and what are its types?
26. Defecation reflex.
27. Triple response.