

Rajiv Gandhi University of Health Sciences, Karnataka
I Semester Bachelor of Occupational Therapy Degree Examination – 28-May-2025

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. Define Hemostasis. Describe the pathway of blood coagulation. Add a note on anticoagulants.
2. Composition, functions and regulation of gastric juice secretion. Add a note on peptic ulcer.
3. Define arterial blood pressure. Explain compensatory mechanism of blood pressure regulation

SHORT ESSAYS (Answer any Ten)

10 x 5 = 50 Marks

4. Structure and function of juxta glomerular apparatus.
5. Explain the oxygen transport in blood.
6. Transport across cell membrane.
7. Classify Leucocytes. Describe the functions of leucocytes.
8. Stages of deglutition.
9. Counter current mechanism
10. Non- respiratory functions of respiratory tract.
11. Define ECG. Describe the normal ECG waves with neat labelled diagram.
12. Movements of large intestine.
13. Components of Conducting system of the heart.
14. Neural regulation of respiration
15. Renal function tests

SHORT ANSWERS (Answer any Ten)

10 x 3 = 30 Marks

16. Define PCV and ESR. Give its normal value.
17. Respiratory distress syndrome.
18. Cardiovascular adjustments during exercise.
19. Compensatory mechanisms when exposed to hot climate.
20. Heart sounds
21. Cross matching
22. Erythroblastosis foetalis.
23. Acute renal failure
24. Define anemia. What are the signs and symptoms of anemia?
25. Dysbarism
26. Functions of bile salts.
27. Cell division
