

QP CODE: D2BZL2503	Reg. No :
	Name :
SECOND SEMESTER FYUGP EXAMINATION, APRIL 2026 (Regular/Improvement/Supplementary) Discipline Specific Core (DSC) Courses - Minor ZOO2MN101 : INTRODUCTORY HUMAN PHYSIOLOGY (Credits: 4)	
Time: 2 Hours	Maximum Marks: 70
Section A. Answer the following questions. Each carries 3 marks (Ceiling: 24 marks)	
1. List the major components of a body system.	BL1 CO1
2. Define human physiology.	BL1 CO1
3. Define extrinsic regulation.	BL1 CO1
4. Explain the structure of hemoglobin briefly.	BL2 CO3
5. How does increased CO ₂ concentration affect oxygen release in tissues?	BL3 CO2
6. Describe how saltatory conduction improves the speed of nerve impulse transmission	BL2 CO4
7. Explain how ergonomics helps in reducing workplace injuries.	BL2 CO4
8. Write a note on synaptic transmission.	BL1 CO4
9. Explain the structure of the functional unit of the kidney.	BL1 CO6
10. Explain the role of HCl in digestion.	BL2 CO6
Section B. Answer the following questions. Each carries 6 marks (Ceiling: 36 Marks)	
11. Define homeostasis and its key characteristics.	BL1 CO5
12. Design a study using anthropometric measurements to monitor the growth of children in a school setting.	BL5 CO5
13. Illustrate how lifestyle changes can impact blood pressure levels.	BL3 CO3
14. Analyze the effects of high altitude on the respiratory system and how the body adapts over time.	BL4 CO3
15. Differentiate between sensory, motor, and interneurons.	BL2 CO4
16. Explain the structural significance of sarcomeres in skeletal muscles with labelled figure	BL2 CO4
17. Discuss the different types of Dialysis.	BL2 CO6
18. Describe the structural organization of gastrointestinal tract with a diagram.	BL2 CO6
Section C. Answer any one question. Each carries 10 marks (1 x 10 = 10 Marks)	
19. Describe the composition and functions of blood.	BL2 CO3
20. Propose a dietary plan for a pregnant woman that includes all essential nutrients.	BL3 CO6
CO : Course Outcome BL : Bloom's Taxonomy Levels (1 – Remember, 2 – Understand, 3 – Apply, 4 – Analyse, 5 – Evaluate, 6 – Create)	