

QP Code: U25B050

Reg. No :

Name :

ST MARY'S COLLEGE (AUTONOMOUS), THRISSUR-20

II SEMESTER (FYUGP) DEGREE EXAMINATION, MARCH 2025

B.A/B.Sc/B.Com/BSW

ZOO2MN101 : INTRODUCTORY HUMAN PHYSIOLOGY

2024 Admission Onwards

(Credits: 4)

Time: 2 Hours

Maximum Marks: 70

Section A

Answer all. Each question carries 3 Marks (Ceiling: 24 Marks)

1. In what ways the branch of Physiology is useful for daily life? [BTL3]
2. What is homeostasis? [BTL1]
3. Describe tension of loading and unloading. [BTL2]
4. Describe tingling. [BTL1]
5. What is Physical Ergonomics? [BTL1]
6. List the glands associated with digestion. [BTL1]
7. Compare Bulimia nervosa and Anorexia nervosa. [BTL2]
8. What is flatulence? How does it affect daily life activities? [BTL4]
9. How the hormones regulate kidney function? [BTL3]
10. What are the abnormal constituents of human urine? [BTL1]

Section B

Answer all. Each question carries 6 Marks (Ceiling: 36 Marks)

11. Classify blood groups and describe its significance. [BTL2]
12. How can understanding the pathophysiology of COVID-19 enhance our approach in treating patients? [BTL5]
13. Differentiate between normal and abnormal haemoglobin. [BTL4]
14. How do lifestyle modifications such as diet and exercise impact the progression of Atherosclerosis? [BTL3]
15. What is a neuron (sketch and label)? What are different types of neurons? [BTL4]

Turn Over

16. Describe the ultrastructure of muscle. [BTL1]
17. Explain the biochemical pathway of blood coagulation. How it ensures the clotting occurrence only when necessary? [BTL3]
18. Describe Ornithine cycle. [BTL2]

Section C

*Answer **any one**. Each question carries **10 Marks** (1x10=10 Marks)*

19. Analyse the significance of SA node and conducting system with a neatly labelled diagram. [BTL4]
20. Describe neuromuscular junction with a diagram. Evaluate the role of Calcium ions in neurotransmitter release and the consequences of deficiency of Calcium. [BTL5]
