

BOWEN UNIVERSITY, IWO
COLLEGE OF HEALTH SCIENCES
PHYSIOLOGY PROGRAMME
2023/2024 FIRST SEMESTER EXAMINATION
PHS 211 (GENERAL PRINCIPLES OF PHYSIOLOGY)

Date: February 1st, 2024

Allocated Time: 3 Hours

Instruction: Attempt all questions. Ensure that your matriculation number is boldly written on each page of your answer booklet.

1.) *"A cell is the smallest structural and functional basic unit of life"*.
Discuss. **(20 marks)**

2.) With suitable examples, explain positive and negative feedback mechanisms in biological systems. **(20 marks)**

3.) Briefly explain membrane proteins. **(10 marks)**

4.) Explain the role of nervous system in homeostasis. **(10 marks)**

5.) Briefly discuss the following
 - a.) Action potential **(5 marks)**
 - b.) Graded potential **(5 marks)**