

**BOWEN UNIVERSITY, IWO**  
COLLEGE OF HEALTH SCIENCES  
**PHYSIOLOGY PROGRAMME**  
2023/2024 FIRST SEMESTER EXAMINATION  
PHS 205 (GENERAL PHYSIOLOGY)

**Date:** January 29th, 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. ) Discuss the transport mechanisms involved in the movement of substances across cell membrane **(20 marks)**
2. ) Describe the structure and functions of mitochondria **(10 marks)**
3. ) Write an essay on mean arterial blood pressure. **(20 marks)**
4. ) Erythropoiesis is the physiological process of red blood cell production. Discuss **(10 marks)**
5. ) Briefly discuss the physiology of plasma proteins. **(10 marks)**