

BOWEN UNIVERSITY, IWO  
COLLEGE OF HEALTH SCIENCES  
**PHYSIOLOGY PROGRAMME**  
2023/2024 FIRST SEMESTER EXAMINATION  
PHS 217 & 317 (RENAL 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. ) Write a comprehensive essay on diuretics and their physiological importance  
**(20 marks)**
2. ) Briefly discuss the tests for renal function  
**(10 marks)**
3. ) *“The renal system is responsible for the long term regulation of arterial blood pressure.”* Discuss.  
**(20 marks)**
4. ) *“The glomerular filtration barrier is an important physiological system of the nephron that is essential for glomerular ultra-filtration.”* Discuss  
**(10 marks)**
5. ) Briefly discuss any five (5) regulatory functions of the kidney .  
**(10 marks)**