

PHYSIOLOGY PROGRAM
COLLEGE OF HEALTH SCIENCES
BOWEN UNIVERSITY IWO
OSUN STATE, NIGERIA
200 LEVEL PHYSIOLOGY EXAMINATION
PHS 211: GENERAL PRINCIPLES OF PHYSIOLOGY
(1st SEMESTER, 2022/2023 SESSION)

Allocated Time: 2 hours 30 mins

Venue: COHES Blue & Red Halls

Date: February 15th, 2023

Instruction: Attempt **ALL** questions. Answer each section on the same answer booklet. Ensure that your matriculation number is clearly written on each page of your answer booklet.

Section A:

- 1.) The hormones calcitonin, parathormone and 1,25-dihydroxylcholecalciferol are essential in the regulation of calcium ion. Discuss. **(20 marks)**
- 2.) Milk ejection reflex is a positive feedback mechanism. Discuss. **(10 marks)**

Section B:

- 3.) A cell is the basic functional unit of life. Write an essay on this statement. **(20 arks)**
- 4.) Discuss the ionic basis of
 - a.) Resting membrane potential **(10 marks)**
 - b.) Action potential **(10 marks)**