

BOWEN UNIVERSITY, IWO
COLLEGE OF HEALTH SCIENCES

PHYSIOLOGY PROGRAMME

2022/2023 SECOND SEMESTER EXAMINATION
PHS 212 (RESPIRATORY PHYSIOLOGY)

Date: Saturday, June 24th, 2023 **Allocated Time:** 2 Hours 30 minutes
Venue: COHES Red Hall

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

Section A:

- 1.) Pulmonary surfactants are produced by type II alveolar cells. Discuss.
(20 marks)
- 2.) With the aid of a spirogram, discuss pulmonary function test.
(20 marks)

Section B:

- 3.) Breathing is regulated by two mechanisms or pathways. What does this mean?
(20 marks)
- 4.) Briefly discuss any one of the following
 - a.) What are the respiratory compensations in someone that lives in a high altitude of 7,500 feet?
(10 marks)
 - b.) Nitrogen-induced narcosis can occur in varying degree at high altitude. Discuss.
(10 marks)