

BOWEN UNIVERSITY, IWO
COLLEGE OF HEALTH SCIENCES
PHYSIOLOGY PROGRAMME
2023/2024 FIRST SEMESTER EXAMINATION
PHS 323 (CARDIOVASCULAR 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.) Discuss the events that occur during each phase of cardiac cycle.
(20 marks)

2.) Briefly explain the following
 - a.) How is cardiac output measured in human? **(10 marks)**
 - b.) Factors that affect cardiac output. **(10 marks)**

3.) Describe the physiological mechanism underlying the regulation of arterial blood pressure. **(10 marks)**

4.) *"The SA-node is described as the pacemaker of the heart"*. Discuss. **(10 marks)**

5.) Briefly describe the compensatory mechanism in hemorrhage. **(10 marks)**