



(University of Choice)

**MASINDE MULIRO UNIVERSITY OF
SCIENCE AND TECHNOLOGY
(MMUST)**

MAIN CAMPUS

**UNIVERSITY EXAMINATIONS
2022/2023 ACADEMIC YEAR
FIRST YEAR SECOND SEMESTER EXAMINATIONS**

**FOR THE DEGREE
OF
BACHELOR OF SCIENCE IN HEALTH PROMOTION AND
SPORT SCIENCE**

COURSE CODE: HSS 108

COURSE TITLE: HUMAN PHYSIOLOGY

DATE: THURSDAY, 20TH, APRIL 2023 **TIME: 8.00-10.00A.M**

INSTRUCTIONS TO CANDIDATES

Question ONE is COMPULSORY and any other TWO questions

TIME: 2 Hours

MMUST observes ZERO tolerance to examination cheating

This Paper Consists of 2 Printed Pages. Please Turn Over 

1. Question ONE

- a. Explain the non-respiratory functions of respiratory system **(6marks)**.
 - b. Outline the types of haemoglobin **(6marks)**.
 - c. Describe the process of gas exchange as demonstrated by oxygen dissociation curve **(6marks)**.
 - d. Explain the conduction system of the heart **(6marks)**.
 - e. Describe the functions of lymphatic system **(6marks)**.
2. Explain the process of cardiac output regulation **(20 marks)**.
 3. Explain the role of plasma proteins in blood physiology **(20 marks)**.
 4. Discuss the steps to sensation **(20 marks)**.
 5. Explain the respiratory control Mechanisms in respiratory Physiology **(20 marks)**.