



**MASINDE MULIRO UNIVERSITY OF
SCIENCE AND TECHNOLOGY
(MMUST)
UNIVERSITY EXAMINATIONS
2021 / 2022 ACADEMIC YEAR
FIRST YEAR EXAMINATIONS
FOR THE DEGREE
OF
MASTER OF SCIENCE IN NURSING**

COURSE CODE: NCT 8221

END OF TERM EXAM

COURSE TITLE: ORTHOPAEDIC & MUSCULOSKELETAL INJURIES

DATE: 25th April, 2022 TIME: 11.30am to 2.30pm

INSTRUCTIONS TO CANDIDATE

- Write your registration no, on every piece of paper used. Do not write your name.
- Read carefully any additional instructions preceding each section.



MMUST observes ZERO tolerance to examination cheating

Instructions: Answer all the questions.

1. Explain how to assess the severity of injury on a patient with multiple fractures using Musculoskeletal injury grading system (20 Marks)
2. Discuss pathophysiology, assessment and nursing management of a patient with amputation (20 Marks).
3. Describe the emergency medical care of the patient with a swollen, painful, deformed extremity (fracture) (20 marks).
4. a. Explain the term mechanism of injury (MOI), and explain its relationship to
 - i. potential energy
 - ii. kinetic energy
 - iii. work.

15 Marks
- b. Define the term index of suspicion and explain its relationship to the provider's assessment of trauma 5 Marks
5. Describe the concepts of community health in orthopedic and Trauma (20 marks).
6. Discuss the pathophysiology, assessment and management of a patient with compartment syndrome (20 Marks).