(University of Choice)

MASINDE MULIRO UNIVERSITY OF SCIENCE AND TECHNOLOGY (MMUST)

UNIVERSITY EXAMINATIONS

2023/2024 ACADEMIC YEAR

1ST YEAR SPECIAL/SUPPLEMENTARY EXAMINATION

FOR

THE MASTER OF EDUCATION DEGREE

(SPECIAL NEEDS EDUCATION)

COURSE CODE: MSE 832

COURSE TITLE: ADVANCED AUDIOLOGY AND ELECTRO ACOUSTICS

DATE: 02/08/2024 **TIME:** 2:00 – 5:00 PM

INSTRUCTIONS TO CANDIDATES

MMUST observes ZERO tolerance to examination cheating

Answer FOUR questions only.

QUESTION ONE

a, As a student of Audiology it is important that you understand what goes on in an assessment center. Explain how the following terms as used in an assessment center: Audiometry room, Audiologist, An Audiogram, Diagnostic test. **(8 MARKS)**

b. Explain any three types of hearing Aids. **(7 MARKS)**

QUEASTION TWO

a, Explain 4 different hearing tests carried out for different age groups of people. **(8 MARKS)**

b, Explain three functions of hearing Aids. **(7MARKS)**

QUESTION THREE

a, Using relevant examples describe how a screening test is carried out. **(7 MARKS)**

b, Examine how the performance of a hearing Aid is carried out by an Audiologist **(8MARKS)**

QUESTION FOUR

With illustrations describe how digital signals are processed in modern Hearing Aids **(15 MRKS)**

QUESTION FIVE

a, Describe a pure tone audio metric test **(7 MARKS)**

b, As an assessment officer in the EARC hypothesize a hearing tests done on a client and draw an audiogram for both right and left ear **(8MARKS)**

QUESTION SIX

a, Describe how sound travels from the source to the hearing center in the brain of a human being **(7 MARKS)**

b, Describe the first four steps process involved in how a Hearing Aids work. **(8 MARKS)**