



(University of Choice)

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

MAIN CAMPUS

**UNIVERSITY EXAMINATIONS
2021/2022 ACADEMIC YEAR**

**MAIN EXAMS
FOR FIRST YEAR SECOND TRIMESTER EXAMINATION FOR
MASTER OF SCIENCE IN OPTOMETRY AND VISION SCIENCE**

COURSE CODE: MOV 825

**COURSE TITLE: OCULAR IMAGING AND OPHTHALMIC
INSTRUMENTATION**

DATE: 26/04/2022

TIME: 2-5PM

INSTRUCTIONS TO CANDIDATES: ANSWER ALL QUESTION

TIME: 3 Hours

MMUST observes ZERO tolerance to examination cheating

ESSAY QUESTIONS: ANSWER ALL QUESTIONS (70 MARKS)

QUESTION ONE: (15 MARKS)

Write short notes on the following topographical maps

- a) Axial/Sagittal
- b) Tangential
- c) Elevation

QUESTION TWO: (10 MARKS)

Describe exhaustively the specular reflection as a slit lamp technique used to view the endothelium

QUESTION THREE: (10 MARKS)

Describe procedure of conducting ultrasound bio-microscopy on a patient

QUESTION FOUR: (20 MARKS)

Discuss exhaustively the presentation and clinical interpretation of ANY TWO posterior ocular conditions that can be diagnosed using Retinal photography and imaging

QUESTION FIVE: (15 MARKS)

Attempt a discussion of the theoretical basis and principle of the optical coherence tomography (OCT). Briefly highlight clinical procedure and use of the OCT.

Ms. Sheilah M. Nangena (*BSc., MOptom*)

INTERNAL EXAMINER

GOODLUCK