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(University of Choice)

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

MAIN CAMPUS

**UNIVERSITY EXAMINATIONS
2022/2023 ACADEMIC YEAR**

**MAIN EXAMS
FOR THE 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: 17/4/2023

TIME: 8.00-11.00 AM

INSTRUCTIONS TO CANDIDATES: ANSWER ALL QUESTION

TIME: 3 Hours



MMUST observes ZERO tolerance to examination cheating

SECTION A ESSAY QUESTIONS (70 MARKS)

QUESTION ONE: (10 MARKS) SLITLAMP

Write short notes on the following slit-lamp techniques

- a) Specular reflection
- b) Sclerotic scatter
- c) Optic section

QUESTION TWO: (15 MARKS) FUNUS PHOTOGRAPHY

Explain the principles and the clinical significance of fundus photography.

QUESTION THREE: (15 MARKS)

Describe the different techniques of corneal topography, including Placido disc, slit scanning, and Schiempflug imaging.

QUESTION FOUR: (10 MARKS)

Discuss exhaustively ANY TWO applications of anterior ocular coherence tomography (OCT)

QUESTION FIVE: (20 MARKS)

Write short notes on the theoretical basis and principle of Ultrasound Biomicroscopy (UBM). Briefly highlight the clinical procedure and uses of the UBM.

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

INTERNAL EXAMINER

GOODLUCK