



(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 822

COURSE TITLE: ADVANCED ANATOMY AND PHYSIOLOGY OF
THE EYE

DATE: 26/04/2022

TIME: 8-11AM

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:

Discuss the mechanisms of the eye that helps the cornea to maintain its transparency (20 marks)

QUESTION TWO:

The lens, an avascular structure derived from surface ectoderm, describe the components of its protein and how the Y-sutures develop (20 marks)

QUESTION THREE:

Explain the anatomy of the retina and add a note on the functions of the different layers of the retina (20 marks)

QUESTION FOUR:

Draw a diagram of the visual pathway. Explain the course of the visual fibers (10 marks)

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

INTERNAL EXAMINER

GOODLUCK