



**MASINDE MULIRO UNIVERSITY OF  
SCIENCE AND TECHNOLOGY**

**(MMUST)**

**main CAMPUS**

**UNIVERSITY EXAMINATIONS**

**2021/2022 ACADEMIC YEAR**

**First YEAR second SEMESTER EXAMINATIONS**

**Main exam**

**FOR THE DEGREE**

**OF**

**BACHELOR OF OPTOMETRY AND VISION SCIENCES**

**COURSE CODE: boV 121**

**COURSE TITLE: ocular anatomy and physiology**

**DATE: 21/04/2022**

**TIME:8-10am**

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**INSTRUCTIONS TO CANDIDATES**

- 1. Answer all questions in the three sections**
- 2. Section A comprises short questions**
- 3. Section B comprises long essay questions**

**TIME: 2 Hours**

**MMUST observes ZERO tolerance to examination cheating**

## **SECTION A (30 marks)**

**Q1. Name 6 functions of the eye lids. (6 Marks)**

**Q2. Briefly describe the parts of the conjunctiva (6Marks)**

**Q3. Which is the sphinctor papillae muscle located? What is its action and nerve supply. (3Marks)**

**Q4. Name and give description of the layers of the cornea (10 marks)**

**Q5. Describe the anatomy of the vitreous (5 marks)**

## **SECTION B: (40 marks)**

**Q1 (i) Discuss the anatomy of the Extra Ocular Muscles highlighting the origin, insertion, nerve supply and blood supply; (20 Marks)**

**Q2. Discuss the gross anatomy of the retina, name the layers and functions of the retina (20 marks)**