



*(University of Choice)*

**MASINDE MULIRO UNIVERSITY OF SCIENCE AND TECHNOLOGY**

**(MMUST)**

**MAIN CAMPUS**

**UNIVERSITY EXAMINATIONS**

**2021/2022 ACADEMIC YEAR**

**FIRST YEAR SECOND SEMESTER EXAMINATIONS**

**MAIN EXAMS**

**FOR THE DEGREE**

**OF**

**BACHELOR OF OPTOMETRY AND VISION SCIENCES**

**COURSE CODE: 220**

**COURSE TITLE: Clinical Optometric Procedures II**

**DATE: 20/04/2022**

**TIME: 12-2pm**

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**INSTRUCTIONS TO CANDIDATES**

- 1. Answer all questions in the TWO (2) sections**
- 2. Write your answers on the university examinations booklets provided**
- 3. Write your university registration number only; do NOT write your names on the booklets**
- 4. Write your registration number on every new leaf of the examinations booklet on which you write your answers**

**TIME: 2 Hours**

**MMUST observes ZERO tolerance to examination cheating**

**This Paper Consists of 3 Printed Pages. Please Turn Over**

**SECTION A ANSWER ALL THE QUESTIONS IN THIS SECTION 30 MARKS**

1. Define Sheard's criterion (2marks)
2. List 3 disadvantages of monocular indirect ophthalmoscopy over binocular indirect ophthalmoscopy (3marks)
3. State any FOUR factors that contribute to the time of appearance and progression of presbyopia (4marks)
4. Highlight any five factors affecting the amplitude of accommodation (5marks)
5. Fundus biomicroscopy is a procedure used to examine the retina and posterior 2/3 of the vitreous using the biomicroscope. State any 5 advantages of fundus biomicroscopy (5 marks)
6. Describe the uses of FOUR filters as applied during filtered illumination in slit-lamp biomicroscopy (8marks)

**SECTION B ANSWER ALL THE QUESTIONS IN THIS SECTION 40 MARKS**

1. Describe alternate occlusion comparison balance as an acceptable alternate procedure of balancing accommodative demand under the following sub-headings; 10marks
  - i. Indication (1point) **(2marks)**
  - ii. Advantages (2 points) **(4 marks)**
  - iii. Disadvantages (2points) **(4marks)**
  
2.
  - i. Define SOAP format in optometry practice **(2marks)**
  - ii. Discuss the four broad components of a SOAP format giving example in each case **(8marks)**
  
3. Tonometry is a clinical technique that provides a measurement of the internal pressure of the eye (also known as intraocular pressure, IOP, ocular tension). (10marks)
  - i. Highlight the three different principles of tonometry **(6 marks)**
  - ii. List any four components of an adequate tonometry recordings **(4 marks)**
  
4. Accommodation refers to the process whereby changes in the dioptric power of the crystalline lens maintains a clear focus of an object as it draws closer to the eye. Describe the five types of accommodation **(10 marks)**