



MASENO UNIVERSITY
UNIVERSITY EXAMINATIONS 2013/2014

**FOURTH YEAR SECOND SEMESTER EXAMINATIONS FOR THE
DEGREE OF BACHELOR OF SPECIAL NEEDS EDUCATION WITH
INFORMATION TECHNOLOGY
(MAIN CAMPUS)**

ESE 413: LOW VISION

Date: 7th April, 2014

Time: 11.15am - 1.30pm

INSTRUCTIONS:

- Attempt QUESTION ONE and any other TWO questions.

ESE 413: LOW VISION

INSTRUCTIONS: Answer question ONE and any other TWO

- 1) (a) Explain the term 'low vision' (4 marks)
- (b) Explain any four eye functions that may be affected by visual disorder (8 marks)
- (c) Explain the following terms:
- i. Binocular Vision (2 marks)
 - ii. Visual Field (2 marks)
 - iii. Hyperopia (2 marks)
 - iv. Visual Acuity (2 marks)
- (d) List any four disadvantages of stand magnifiers. (4 marks)
- (e) Explain any three ways a child with low vision can take care of the spectacles (6 marks)
- 2) Discuss any four reasons why eye diseases in developing countries differ from those in developed countries. (20 marks)
- 3) Discuss how the following diseases cause visual impairment:
- i. Trachoma (5 marks)

ii. Glaucoma

(5 marks)

iii. Retinitis Pigmentosa

(5 marks)

iv. Myopia

(5 marks)

4) Explain the process of assessing visual acuity

(20 marks)

5) You have been asked to assess form one learners with low vision in a high school. What four devices would you recommend for the learners and why?

(20 marks)