



**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY**

**UNIVERSITY EXAMINATION**

**2<sup>ND</sup> YEAR 2<sup>ND</sup> SEMESTER EXAMINATION DIPLOMA IN SPECIAL NEEDS EDUCATION  
MAIN CAMPUS DECEMBER 2016**

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**COURSE CODE: ESN 2224:**

**COURSE TITLE: LOW VISION**

**EXAM VENUE:**

**STREAM: DIPLOMA IN SNE**

**DATE:**

**EXAM SESSION:**

**TIME: 2 HOURS**

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### **INSTRUCTIONS**

- 1. This paper contains five (5) questions.**
- 2. Answer question 1 (compulsory) and any TWO other questions.**
- 3. Write all answer in the booklet provided.**

### **Question 1**

(a) Define the following terms:

(i) Functional vision. (2 marks)

(ii) Visual Field (2marks)

(iii) Total Blindness (2marks)

(iv) Visual Acuity. (2marks)

(v) Low vision. (2marks)

(b) Describe three congenital causes of visual impairment? (6marks)

(d) Outline five considerations which should be taken before giving a learner low vision device (5marks)

(e) Describe five ways a learner can take care of low vision devices (5marks)

(f) Define four classroom environment adaptations a teacher should consider for low vision learner (4marks)

### **QUESTION 2**

(a) Explain five teaching strategies for learners with visual impairments (10marks)

(b) Discuss the type of low vision devices used by low vision learners (10marks)

### **QUESTION 3**

Explain **FIVE** causes of visual impairments. (20marks)

### **QUESTION 4**

Discuss the challenges facing the teaching of learners with Low vision in special Institutions in Kenya. (20marks)

### **QUESTION 5**

a) Outline the advantage and disadvantage of Optical low vision and Non-Optical Low vision Devices (10marks)

b) Describe five characteristics related to appearance of the eye. (10marks)