



**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
SCHOOL OF EDUCATION
UNIVERSITY EXAMINATION FOR DIPLOMAIN EDUCATION SPECIAL NEEDS
EDUCATION
2ND YEAR 2ND SEMESTER 2017/2018 ACADEMIC YEAR
MAIN CAMPUS REGULAR**

COURSE CODE: ESN 2224

COURSE TITLE: LOW VISION

EXAM VENUE:

STREAM: DIP. SNE

DATE:

EXAM SESSION:

TIME: 1 ½ HOURS

Instructions:

- 1. Answer question 1 (compulsory) and any other 2 questions.**
- 2. Candidates are advised not to write on the question paper.**
- 3. Candidates must hand in their answer booklets to the invigilator while in the examination room.**

QUESTION ONE

Define the following terminologies as used in low vision techniques. (10 marks)

- I. Low vision acuity
- II. Blindness
- III. Legal blindness
- IV. Retinis pigmentosa
- V. Hyperopia

Highlight some of eye conditions that can lead to development of low vision (4marks)

According to CDC and WHO visual impairment is classified into four different categories. State and explain each. (4marks)

List various optic and low vision devices that a child with visual impairment can use to enhance study in class. (4marks)

You are a teacher of a visually impaired learner, stating solution to each problem, describe **FOUR** challenges faced by a learner with visual impairment in a classroom. (8marks)

QUESTION TWO

As a teacher in an institution of children with visual impairment, discuss various classroom and environmental adaptations you would carry out to ensure the comfort a child with visual impairment. (20marks)

QUESTION THREE

What are intervention measures (2marks)

Discuss the following intervention measures elaborating significance of each.

- I. Educational intervention (8marks)
- II. Medical intervention (8marks)

QUESTION FOUR

Describe the use of various optic and low vision devices used by learners with low vision in and out of the classroom environment (20marks)

QUESTION FIVE

Define visual impairment

(2marks)

Causes of visual impairment can either be **pre- natal**, **post- natal** and **peri natal**. Give six points associated with each of the causes.

(18marks)