



**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY  
SCHOOL OF EDUCATION  
UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHELOR OF EDUCATION  
SPECIAL NEEDS EDUCATION  
4<sup>TH</sup> YEAR 2<sup>ND</sup> SEMESTER 2016/2017 ACADEMIC YEAR  
MAIN – CAMPUS**

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**VENUE:**

**DATE: COURSE CODE: ESE 305**

**COURSE TITLE: MOTOR AND NEUROLOGICAL IMPAIRMENTS OF PHYSICAL  
AND HEALTH IMPAIRMENTS**

**EXAM EXAM SESSION: 3<sup>RD</sup> YEAR 1<sup>ST</sup> SEM AM/PM**

**TIME: 2HRS**

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**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**

- a) State five factors that can lead to congenital anomalies in a child. (5 marks)
- b) Briefly explain two classifications of clubfoot (4 marks)
- c) List two types of Spina bifida (2 marks )
- d) State five topographical types of Cerebral Palsy (4 marks)
- e) Using your own words, describe the following.

I. Congenital (2)

II. Amputation (2)

- f) Differentiate between Hydrocephalus and Microcephalus (5 marks)
- g) Differentiate between Paralytic polio and Non-paralytic polio (6 Marks)

## **QUESTION TWO**

- a) Describe the types of cerebral palsy that are classified by type and location of movements (10 Marks)
- b) Describe the nonsurgical treatment procedures necessary for children suffering from Club foot (10 Marks).

## **QUESTION THREE**

- a) Describe the neurological levels and completeness of Spinal Cord injuries (12 marks)
- b) Describe the emergency signs and symptoms of spinal cord injury after an accident. (8marks)

## **QUESTION FOUR**

- a) Discuss the complications of a shunt system as a treatment for hydrocephalus (10 marks)
- b) Describe the aftercare necessary for an amputee. (10 marks)

## **QUESTION FIVE**

Explain three basic patterns of polio infection (20 marks)