



**JARAMOGI OGINGA ODINGA UNIVERSITY OF
SCIENCE & TECHNOLOGY UNIVERSITY
EXAMINATIONS 2013
1ST YEAR 2ND SEMESTER EXAMINATION FOR THE
DEGREE OF MASTER EDUCATION IN EARLY
CHILDHOOD EDUCATION
(REGULAR)**

COURSE CODE: ECE 815

**COURSE TITLE: TECHNOLOGY IN EARLY CHILDHOOD
DEVELOPMENT AND EDUCATION**

DATE: 19/8/13

TIME: 9.00 – 12.00 NOON

DURATION: 3 HOURS

INSTRUCTIONS

This paper contains SIX (6) questions.

Answer ANY THREE questions.

Write all answer in the booklet provided.

QUESTION 1

- a) Describe the concept “Technology Integration” and explain how you would integrate technology in teaching/learning in Early Childhood Education. (5 marks)
- b) Explain the difference between Technology of education and educational technology. (5marks)
- c) Describe the term” electronic and print media” and explain how you would use them in Early Childhood Education. (10 marks)

QUESTION 2

Discuss the contribution of the following Philosophers and Psychologists on the development and use of technology in Early Childhood Education

Maria Monterssori
Froebel
Piaget
Pestalozzi
Thorndike

(Total marks 20)

QUESTION 3

Analyse and give examples of how you would use audio media in teaching and learning in Early Childhood Education. (20 marks)

QUESTION 4

With the aid of specific examples, explain how visual media can either support or distract early childhood education in classroom instruction. (20 marks)

QUESTION 5

- a) Briefly discuss **four** main advantages and disadvantages of using television in teaching /learning in early childhood education. (8marks)
- b) Identify and analyse **six** major factors affecting the introduction and use of technology in early childhood education. (12marks)

QUESTION 6

- a) Discuss any **five** factors that would be considered before selecting media for teaching and learning. (10 marks)
- b) Analyse any **five** reasons that justify the government’s policy regarding the use of technology in pre-school education. (10 marks)