



MACHAKOS UNIVERSITY

University Examinations 2016/2017

SCHOOL OF EDUCATION

DEPARTMENT OF COMMUNICATION TECHNOLOGY

**SECOND YEAR APRIL SESSION SEMESTER EXAMINATION FOR MASTER OF
EDUCATION**

**ECT: 801: FOUNDATIONS OF EDUCATIONAL TECHNOLOGY AND
INSTRUCTIONAL DESIGN**

DATE: SCHOOLBASED

TIME:

INSTRUCTIONS

Answer Question One and Any Other Two Questions

SECTION A: (20 MARKS)

Answer all Questions in section A and any other two questions in this section

QUESTION ONE (COMPULSORY) (30 MARKS)

- a) Define the following terms as used in this unit:
 - i Input (3 marks)
 - ii Storage (6 marks)
 - iii Output (5 marks)
- b) Describe three types of memory (6 marks)
- c) Briefly explain five reasons for using philosophical foundations for curriculum development in schools (5 marks)
- d) Justify the application of psychological knowledge in teaching and learning process (6 marks)

QUESTION TWO (20 MARKS)

Justify the use of Information processing knowledge in aiding human teaching and learning.

(20 marks)

QUESTION THREE (20 MARKS)

Explain how teachers can effectively evaluate learning outcomes in secondary schools in Kenya.

(20 marks)

QUESTION FOUR (20 MARKS)

Describe the types of technology that teachers would use to enhance teaching and learning in a classroom.

(20 marks)

QUESTION FIVE (20 MARKS)

Examine the importance of using systems thinking and approach to instructional design in education.

(20 marks)