



# MACHAKOS UNIVERSITY

University Examinations 2022/2023

SCHOOL OF EDUCATION

DEPARTMENT OF EARLY CHILDHOOD EDUCATION COMMUNICATION AND  
TECHNOLOGY

THIRD YEAR SECOND SEMESTER EXAMINATION FOR  
BACHELOR OF EDUCATION (EARLY CHILDHOOD EDUCATION)

ECT 300: EDUCATIONAL TECHNOLOGY

DATE:

TIME:

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**INSTRUCTIONS: Answer Question ONE and ANY OTHER TWO.**

## QUESTION ONE (COMPULSORY) (30 MARKS)

- a) State the major characteristics of well stated Instructional Objectives in terms of the following parameters. Also provide evidences where applicable
- a. Capability
  - b. Observability in Behavioural terms
  - c. Conditions
  - d. Degree
  - e. Criteria
- (5 marks)
- b) Explain the Four major procedures involved in the Selection, Modification and Designing specific materials for the systematic Planning for Instructional Media. (5 marks)
- c) Highlight the factors that influence designing and use of media in the classroom setting. (6 marks)
- d) Highlight the importance of stating lesson objectives to teachers. (8 marks)
- e) Explain the relevance of learning resource center in learning (6 marks)

## QUESTION TWO (20 MARKS)

- a) Explain the term Machine Approach in Educational Technology. (3 marks)
- b) Explain at least FOUR Problems hindering Classroom Communication. (4 marks)
- c) Define the term Distance Education. (3 marks)

- d) Explain the merits and demerits of distance Education (5 marks)
- e) Differentiate between e-Learning and Open Learning. (5 marks)

**QUESTION THREE (20 MARKS)**

- a) Critically analyze the term Visual Literacy and its relevance to everyday teaching Learning Process. (10 marks)
- b) Explain the term Learning Styles as explained in the systematic planning for the use of Instructional Media. (10 marks)

**QUESTION FOUR (20 MARKS)**

- a) Define the term Community Resources (5 marks)
- b) Explain the importance of elders AS Resource persons of the Community (5 marks)
- c) Examine the precautions considered when selecting non - print media for classroom teaching. (5 marks)
- d) Differentiate between Print and Non -Print Media. (5 marks)

**QUESTION FIVE (20 MARKS)**

- a) Explain the importance of Education to the educated elites. (2 marks)
- b) Pinpoint the limitations of using radio broadcast in teaching/learning. (7 marks)
- c) Make some brief notes on community resources and instruction (3 marks)
- d) Explain barriers to effective classroom communication and give solutions. (3 marks)
- e) Explain the Operations of the following terms
  - i. Diorama
  - ii. Realia
  - iii. Mobiles
  - iv. Charts
  - v. Comics and Cartoons. (5 marks)

