



MACHAKOS UNIVERSITY

University Examinations for 2024/2025 Academic Year

SCHOOL OF EDUCATION
DEPARTMENT OF EDUCATIONAL COMMUNICATION TECHNOLOGY & ECE

THIRD YEAR FIRST SEMESTER EXAMINATION FOR DEGREE IN
BACHELOR OF EDUCATION(M/C/P/COMP)
BACHELOR OF EDUCATION(ENG/LIT)
BACHELOR OF EDUCATION(H/K/C)
BACHELOR OF EDUCATION(GEO)
BACHELOR OF EDUCATION(BIO)
BACHELOR OF EDUCATION(M/B)
BACHELOR OF EDUCATION (SNE)
BACHELOR OF SCIENCE (AGED)

ECT 300: EDUCATIONAL TECHNOLOGY

DATE: 20TH JANUARY, 2025

TIME: 2.00 PM – 4.00 PM

INSTRUCTIONS:

Answer question ONE (Compulsory) and any other TWO questions

QUESTION ONE (COMPULSORY) (30 MARKS)

- Briefly explain the term Technology in Education and Technology of Education.
(4 marks)
- Explain at least Four Main Problems that hinder the teachers' understanding of classroom communication.
(8 marks)
- Distinguish between Positive Verbal Reinforcement and Negative Non- Verbal Reinforcement.
(8 marks)
- Highlight five factors that influence designing and use of media in the classroom setting.
(10 marks)

QUESTION TWO (20 MARKS)

- a) Explain precautionary measures to be considered when selecting non-print media for classroom teaching. (10 marks)
- b) Differentiate between Hardware and Software devices. (2 marks)
- c) Explain the importance of Community resources to instruction. (8 marks)

QUESTION THREE (20 MARKS)

Write short notes on the following varieties of instructional media;

- i) Print and Non-Print Media (4 marks)
- ii) Graphic Media (4 marks)
- iii) Photographic Media (4 marks)
- iv) Audio Media (4 marks)
- v) Visual Literacy (4 marks)

QUESTION FOUR (20 MARKS)

Differentiate between verbal and non - verbal aspects of human communication.

QUESTION FIVE (20 MARKS)

- a) Explain the term Machine Approach and Mechanistic Approach in Education. (4 marks)
- b) Explain some of the Advantages and Disadvantages of Distance Education. (16 marks)