



# MACHAKOS UNIVERSITY

University Examinations 2021/2022 Academic Year

SCHOOL OF EDUCATION

DEPARTMENT OF EARLY CHILDHOOD EDUCATION

THIRD YEAR FIRST SEMESTER EXAMINATION FOR

BACHELOR OF SCIENCE (AGRICULTURAL EDUCATION AND EXTENSION)

BACHELOR OF EDUCATION (ARTS) (ENGLISH /LITERATURE)

BACHELOR OF EDUCATION (SPECIAL NEEDS EDUCATION)

BACHELOR OF EDUCATION (SCIENCE)

BACHELOR OF EDUCATION (ARTS)

ECT 300: EDUCATIONAL TECHNOLOGY METHODS

DATE: 23/8/2022

TIME: 2.00-4.00 PM

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## INSTRUCTIONS

Answer Question ONE and any other TWO questions

### QUESTION ONE (COMPULSORY) (30 MARKS)

- a) Highlight the importance of lesson objectives to teachers. (4 marks)
- b) Explain how you would use **ASSURE Model** to guide you teach a topic of your choice in Form Two Class. (8 marks)
- c) Name at least **Four Main Problems** that hinder the teachers' understanding of classroom communication (4 marks)
- d) Briefly explain barriers to classroom communication. (6 marks)
- e) Briefly explain the merits of distance education. (8 marks)

**QUESTION TWO (20 MARKS)**

- a) Highlight about factors that influence designing and use of media in the classroom setting. (10 marks)
- b) Explain four types of reinforcements used by teachers in class (6 marks)
- c) Differentiate between Positive Nonverbal Reinforcement and Negative Verbal Reinforcement. (4 marks)

**QUESTION THREE (20 MARKS)**

- a) Explain the concept of visual literacy (8 marks)
- b) Critically analyze the relevance of learning resource centre to everyday life and learning. (8 marks)
- c) Explain the importance of Community resources to instruction (4 marks)

**QUESTION FOUR (20 MARKS)**

- a) Explain the precautionary measures to be considered when selecting non-print media for classroom teaching. (8 marks)
- b) Explain the limitations of using Radio Broadcast in teaching and learning Process. (8 marks)
- c) Differentiate between Technology in Education and Technology of Education (4 marks)

**QUESTION FIVE (20 MARKS)**

Write short notes on the following varieties of instructional media:

- a) Print Media (4 marks)
- b) Graphic Media (4 marks)
- c) Photographic Media (4 marks)
- d) Audio Media (4 marks)
- e) Simulation and Games (4 marks)