



MACHAKOS UNIVERSITY

University Examinations 2021/2022 Academic Year

SCHOOL OF EDUCATION

DEPARTMENT OF EARLY CHILDHOOD EDUCATION

SECOND YEAR SPECIAL/SUPPLEMENTARY EXAMINATION FOR

DIPLOMA IN EDUCATION

ECT 0201: INSTRUCTIONAL TECHNOLOGY

DATE: 26/8/2022

TIME: 8:30 – 10:30 AM

INSTRUCTIONS

Answer Question ONE and any other TWO questions

QUESTION ONE (COMPULSORY) (30 MARKS)

- a) Using relevant Examples, discuss various ways in which communication media has been of great importance today in teaching and learning. (10 marks)
- b) The teacher's presence is paramount in the broadcast lesson. Discuss the three stages involved, and the teacher's role in every stage. (15 marks)
- c) State 5 conditions that will make interpersonal communication necessary in a classroom. (5 marks)

QUESTION TWO (20 MARKS)

- a) Describe five ways in which a teacher may use the following types of reinforcement in the school to motivate the learners:
 - i. Positive reinforcement. (5 marks)
 - ii. Negative reinforcement. (5 marks)
- b) Discuss five ways in which the teacher can use the computer as a resource material during online teaching. (5 marks)

QUESTION THREE (20 MARKS)

- a) Analyse Five challenges facing VIRTUAL learning in schools and colleges in Kenya. (10 marks)
- b) Suggest possible solutions for the challenges above. (10 marks)

QUESTION FOUR (20 MARKS)

- a) Discuss five community resources that can be used by the school for teaching and learning. (10 marks)
- b) Discuss Five challenges that the school management is likely to encounter when establishing a Learning Resource centre. (10 marks)

QUESTION FIVE (20 MARKS)

- a) The ASSURE model advocates that the teacher prepares and utilises media and material for teaching and learning for effective learning. Discuss five advantages achieved when the teacher uses locally improvised materials unlike the commercial ones. (10 marks)
- b) Using relevant examples, discuss five effects of using technology in teaching and learning. (10 marks)