



MACHAKOS UNIVERSITY

University Examinations 2019/2020 Academic Year

SCHOOL OF EDUCATION

DEPARTMENT OF EDUCATIONAL COMMUNICATION TECHNOLOGY

AUGUST SESSION EXAMINATION FOR

DIPLOMA IN EDUCATION

ECT 0201: INSTRUCTIONAL TECHNOLOGY

DATE: SCHOOL BASED

TIME:

INSTRUCTIONS: answer question one and any other two questions

QUESTION ONE (30 MARKS)

- a) Define the following terms:
 - i. A computer (2 marks)
 - ii. Radio broadcasting (2 marks)
- b)
 - i) Explain the importance of ICT integration in education to a teacher (4 marks)
 - ii) List any four popular social media platform used for teaching and learning (4 marks)
- c)
 - i) State any four features of a Learner Management Systems(LMS) (8 marks)
 - ii) Name three computer applications that can be used in teaching and teaching process (3 marks)
- d)
 - i) Give instances where printed materials can be better than audio-visual media (4 marks)
 - ii) What is meant by micro teaching? (3 marks)

QUESTION TWO (20 MARKS)

- a) Explain two modes of delivery for ICT in the learning process (5 marks)
- b) Briefly, describe five basic categories of learning theories (10 marks)
- c) How has ICT changed learning behaviors? (5 marks)

QUESTION THREE (20 MARKS)

- a) List three components of Interactive White Board (6 marks)
- b) Explain seven qualities of a teacher that are needed during micro teaching (7 marks)
- c) Describe components of a good technological activity based lesson plan (7 marks)

QUESTION FOUR (20 MARKS)

- a) Highlight any effects of provision of technology in education (10 marks)
- b) What challenges can a teacher face while introducing use of ICT in his or her school (10 marks)

QUESTION FIVE (20 MARKS)

- a) Explain how You tube can be used to enhance learning and teaching process (7 marks)
- b) Discuss various types of non-verbal communication (8 marks)
- c) State five ways that a student can use to deliver her or his assignments to the teachers online (5 marks)