



MACHAKOS UNIVERSITY

University Examinations 2019/2020 Academic Year

SCHOOL OF EDUCATION

DEPARTMENT OF EDUCATIONAL TECHNOLOGY DEPARTMENT

AUGUST SESSION EXAMINATION FOR

BACHELOR OF EDUCATION (EARLY CHILDHOOD EDUCATION)

ECT 705: INSTRUCTIONAL TECHNOLOGY

DATE: SCHOOL BASED

TIME:

INSTRUCTIONS:

Answer question one and any other two questions

QUESTION ONE (30 MARKS)

- a) Explain, what is meant by ICT integration in education (2 marks)
- b) State four characteristics of learner management systems (4 marks)
- c) Differentiate between social media and social networking (4 marks)
- d) Explain how social media can be used to facilitate student learning and academic success (4 marks)
- e) List any three ICT resources that can be used in an ICT embedded classroom (6 marks)
- f) Explain the benefits of open source tools for education (4 marks)
- g) Define the term 'Radio broadcasting'. (2 marks)
- h) Give four advantages of audio-Visual materials over printed materials (4 marks)

QUESTION TWO (20 MARKS)

- a) Explain any three learning theories (14 marks)
- b) How can each of the learning theories you have discussed above relate with ICT in teaching and learning (6 marks)

QUESTION THREE (20 MARKS)

- a) Explain the role of ICT to the teacher and student educational pedagogy (12 marks)
- b) Discuss any four forms of non –verbal communication (8 marks)

QUESTION FOUR (20 MARKS)

- a) Highlight any effects of provision of technology in education (10 marks)
- b) What challenges that face teachers as they embark on ICT integration in their schools (10 marks)

QUESTION FIVE (20 MARKS)

- a) What is micro teaching? (4 marks)
- b) Describe the phases involved in micro teaching (6 marks)
- c) Explain at least ten skills needed for micro teaching (10 marks)