

MERU UNIVERSITY OF SCIENCE AND TECHNOLOGY

University Examinations 2022

EXAMINATION FOR BACHEOR EDUCATION (MAIN)

ECT 3300: EDUCATION COMMUNICATION AND TECHNOLOGY

DATE:

TIME:

INSTRUCTIONS: Answer Question ONE and any other THREE questions

QUESTION ONE IS COMPULSORY (30 MARKS)

- a. Discuss the reason why education technology is an important part of teacher education program. **(6marks)**
- b. Describe any four factors that would influence the way learners decode visuals
4marks
- c. Effective pedagogy entails proper use of education technologies. In this regard explain how you can effectively utilize instructional media to demystify concrete and abstract lesson objective in your teaching area. **(6marks)**
- d. What four factors would you put into consideration when preparing a multimedia Kit? **(4 Marks)**
- e. Explain your preference of using instructional materials in print format in teaching and learning process **(5marks)**
- f. Why is installing computers in the library critical for schools? **(5 Marks)**

Question Two

- a. Professional practice in teaching is adopting the use of ICT. Explain the changing roles of teachers with the advent of ICT Integration in education **(10 marks)**
- b. Learning content is central to any teaching and Learning Activity. Introduction to ICT integration digital content is becoming an alternative among teachers. Explain the advantages of using digital teaching and learning content. **(10 marks)**

Question Three

- a. Communication models are essential in understanding communication process in the classroom. Justify the importance of Shannon and Weaver model in communication. **(6 marks)**
- b. Effective teaching and learning requires effective communication. Explain classroom communication process **(10 marks)**
- c. Explain how a teacher can effectively improve communication during teaching and learning process **4 marks**

Question Four

- a. Instructional Design Models are Effective in guiding teachers. Discuss the Assure Model **(10 marks)**
- b) Discuss how use of computers has revolutionized teaching and learning in Institution of learning in the last couple of years **(10 marks)**

Question Five (20 Marks)

The laptop project in Kenya promised by the Jubilee Government had raised a huge debate. Join in this discussion showing the pros and cons of this project, successes and failures giving the way forward.