

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

EXAMINATION FOR THE AWARD OF DEGREE OF MASTERS OF ARTS IN EDUCATION

EDCI 906: ADVANCED EDUCATIONAL TECHNOLOGY

STREAMS:

TIME:3 HOURS

DAY/DATE: TUESDAY 25/04/2023

8.30 A.M. –11.30 A.M.

INSTRUCTIONS

- **Answer question ONE and any other TWO questions**
- **Do not write on the question paper**

1. a) According to Gagne (1985) effective instruction requires careful/planning and use of resources. Describe any ten roles of an instructional resources according to the author. (10 marks)
- b) Despite the advances of technology that has ensured availability of a variety of highly advanced and technical resources, for teaching and learning, printed materials still occupy a central position as an instructional resource in most schools in sub-saharah Africa. Explain any specific merits and limitations of printed material that justifies this observation (10 marks)
- c) i) Discuss the role of a resource centre in an educational institution (5 marks)
- ii) Explain factors that could ensure its effective use (5 marks)
2. Institutional systems design is the practice of creating instructional experiences which aid acquisition of knowledge and skills a more efficient, effective and appealing way. Explain any five design elements a classroom teacher should consider in the process of designing and developing a graphic material (15 marks)

3. In preparing for classroom instructions, it is advisable that a teacher caters for various learning needs of different students. Describe the categories of learners based on information processing habits and explain how the teacher can best provide for their unique needs in an instructional process. (15 marks)
 4. Discuss factors that continue to inhibit technology integration in most basic education institutions in Kenya and highlight how each of these factors can be overcome. (15 marks)
-