UNIT CODE:EDU4108
UNIT TITLE:EDUCATIONAL TECHNOLOGY

DATE: APRIL 2016
HOURS: 3 HOURS

INSTRUCTIONS: ANSWER QUESTION ONE AND ANY OTHER TWO QUESTIONS.

1. a) Differentiate between the following terms as applied in educational technology:
   i) Print media and non-print media (2 Marks)
   ii) Technology of education and technology in education (2 Marks)
   iii) Encoding skills and decoding skills (2 Marks)

   b) Identify five major constraints faced by students undertaking distance education (10 Marks)

   c) Briefly discuss the categories of communication learners (6 Marks)

   d) Outline the major roles of mass communication (3 Marks)

2. a) Giving examples, describe the various types of community resource that a teacher can use in the teaching and learning process (12 Marks)
3. a) Discuss how a teacher can develop and literacy skill among his/her learners. (10 Marks)

b) Discuss either the ADDIE model or ADDIE model and explain how it is integrated in instruction. (12 Marks)

4. a) Discuss the ethical considerations in use of mobile phone for instruction. (10 Marks)

b) Examine the major factors in choosing educational software for the laptops project. (10 Marks)

5. a) Outline the limitations of the TV as an instructional media. (10 Marks)

b) Discuss the educational implications: Thorndike's law of effect (1949) on human learning. (5 Marks)

c) Explain the advantages of a teacher making his own teaching aids. (5 Marks)
1. a) Explain the following terms as used in media practicals:
   i) Degree of realism (2 Marks)
   ii) Print media (2 Marks)
   iii) Dioramas (2 Marks)
   iv) Graphic (2 Marks)

   b) Discuss the advantages of using media materials in the teaching-learning process. (3 Marks)

   c) Describe four ways in which a teacher can acquire teaching-learning materials. (3 Marks)

   d) Explain factors that would guide the choice and use of instructional media. (5 Marks)
a) Discuss the guidelines on the use of textbooks for instructional purposes. 

b) Discuss the factors hindering utilization of ICT technologies in most primary schools in Kenya. 

3. a) Explain how media resources are developed for instructional purposes in Kenya. 

b) Discuss five benefits of using the peer approach in teaching. 

4. a) Describe the school as an operating system. 

b) Discuss the relevance of local resource centres. 

5. a) Explain the role of the peer learners during a micro teaching session. 

b) Describe some of the competencies expected to be demonstrated by a trainee teacher during a micro-teaching session.