



**MERU UNIVERSITY COLLEGE
OF SCIENCE & TECHNOLOGY**

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University Examinations 2011/2012

FIRST YEAR, FIRST SEMESTER EXAMINATION FOR DIPLOMA IN
AGRICULTURAL EDUCATION AND EXTENSION

EDU 0184: EDUCATIONAL COMMUNICATION AND TECHNOLOGY

DATE: DECEMBER 2011

TIME: 1½ HOURS

INSTRUCTIONS: Answer question *one* and any other *two* questions

QUESTION ONE – (30 MARKS)

- (a) (i) Define educational technology (2 Marks)
(ii) Distinguish between a specimen and a model. (2 Marks)
(iii) Mention four advantages of using realia in teaching. (4 Marks)
(iv) What is the purpose of lettering (2 Marks)
(v) Below is a teaching aid made by a Biology teacher for his form one students. List all the mistakes that can be observed from the chart.

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- (b) Explain three characteristics of a good poster. (3 Marks)
- (c) What are the limitations of using television broadcasts in teaching? (4 Marks)
- (d) Explain why computers are important devices in education. (7 Marks)

QUESTION TWO – (15 MARKS)

- (a) Identify and explain five elements of communication process. (10 Marks)
- (b) State five ways in which chalkboards may be used in a classroom. (5 Marks)

QUESTION THREE – (15 MARKS)

Explain the guidelines that a teacher should consider when selecting material for instruction. (15 Marks)

QUESTION FOUR – (15 MARKS)

Describe the ASSURE MODEL of learning. (15 Marks)

QUESTION FIVE – (15 MARKS)

Describe how a teacher can help in setting up a Resource Centre in a learning institution and explain how the learners can benefit from it. (15 Marks)