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**EMBU UNIVERSITY COLLEGE
(A CONSTITUENT COLLEGE OF THE UNIVERSITY OF NAIROBI)**

SECOND SEMESTER EXAMINATIONS 2013/2014

**SECOND SEMESTER EXAMINATION FOR THE DEGREE OF BACHALOR OF SCIENCE
AGRICULTURAL EDUCATION AND EXTENSION**

TCT 102: INSTRUCTIONAL METHODS

DATE: APRIL 9, 2014

TIME: 2.00 - 4.00PM

INSTRUCTIONS:

Answer Question ONE and ANY Other TWO Questions.

QUESTION ONE

a) Define the following terms

- | | |
|----------------|----------|
| i.) Learning | (1 mark) |
| ii.) Teaching | (1 mark) |
| iii.) Training | (1 mark) |
| iv.) Testing | (1 mark) |
- b) Highlight the characteristics of a good test (6 marks)
- c) Describe the characteristics of education as a system (5 marks)
- d) Using illustration, discuss Gerlachs' model of teaching and learning (5 marks)
- e) State the conditions that teachers must create to enhance a good learning climate (5 marks)
- f) Distinguish among strategies methods and techniques of teaching (5 marks)

QUESTION TWO

Discuss the following teaching strategies giving appropriate examples where applicable;

- | | |
|---------------------------------|------------|
| a) Expository teaching strategy | (10 marks) |
| b) Discovery teaching strategy | (10 marks) |

QUESTION THREE

Discuss the barriers to effective communication in a classroom setup.

(20 marks)

QUESTION FOUR

With reference to agriculture as subjects, prepare a scheme of work for a period of two weeks in a given topic

(20 marks)

QUESTION FIVE

Discuss the benefits of using project methods and programmed learning in teaching and learning process

(20 marks)

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