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

FIRST SEMESTER EXAMINATIONS 2013/2014

FIRST YEAR EXAMINATION FOR THE DEGREE OF  
BACHELOR OF SCIENCE IN AGRICULTURAL EXTENSION AND EDUCATION

TCT 102: INSTRUCTIONAL METHODS

**DATE: DECEMBER 9, 2013**

**TIME: 2.00 – 4.00 PM**

**INSTRUCTIONS:**

**Answer Question ONE and ANY Other TWO Questions.**

**QUESTION ONE:**

1. a) Define the following terms
  - i) Teaching, learning and training (3mks)
  - ii) Assessment (1mk)
  - iii) Evaluation (1mk)
  - iv) Pedagogy (1mk)
  
- b) Explain how the teacher plays the role of the manager in teaching and learning process (5mks)
  
- c) Highlight the characteristics of Education as a system (4mks)
  
- d) Discuss Gerlach's model of teaching and learning (5mks)
  
- e) Explain how barriers to effective communication can be managed in classroom (5mks)

f) Describe briefly the following type of evaluation (5mks)

- i) Formative evaluation
- ii) Summative evaluation
- iii) Criterion reference assessment

**QUESTION TWO:**

Discuss the key element of communication process (20mks)

**QUESTION THREE:**

Explain how Johari window can be used in promotion of classroom interaction (20mks)

**QUESTION FOUR:**

Using appropriate examples give a detailed account of expository (Transmission) and Discovery (heuristic) teaching strategies (20mks)

**QUESTION FIVE:**

With reference to Agriculture as a subject; prepare a detailed lesson plan for a double lesson. (20mks)

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