



EMBU UNIVERSITY COLLEGE

(A CONSTITUENT COLLEGE OF THE UNIVERSITY OF NAIROBI)

FIRST SEMESTER EXAMINATIONS 2014/2015

**FIRST YEAR EXAMINATION FOR THE DEGREES OF BACHELOR OF SCIENCE IN
AGRICULTURAL EDUCATION AND EXTENSION, BACHELOR OF EDUCATION
SCIENCE AND ARTS**

TCT102: INSTRUCTIONAL METHODS

DATE: DECEMBER 18, 2014

TIME: 10:30AM – 12:30PM

INSTRUCTIONS:

Answer Question ONE and ANY Other TWO Questions.

QUESTION ONE

- a) Define the following terms (4 marks)
- i) Teaching
 - ii) Education
 - iii) Learning
 - iv) Training
- b) In the learning process the teacher assumes the role of the manager performing four main roles. Explain. (4 marks)
- c) Define the term system (2 marks)
- d) State the main characteristics of an education system (4 marks)
- e) Using a suitable illustration, explain the linear model for a system approach of teaching and learning (5 marks)

- f) Teaching is multidisciplinary. Explain (4 marks)
- g) Suggest four ways in which a teacher can motivate learners in the classroom (4 marks)
- h) State three characteristics of instructional objectives (3 marks)

QUESTION TWO

- a) Define the process of human communication (5 marks)
- b) Outline the key elements involved in the human communication process (5 marks)
- c) Briefly explain the steps followed in the preparation for project work (5 marks)
- d) Define the term simulation (2 marks)
- e) Suggest three limitations of field trips (3 marks)

QUESTION THREE

- a) Give the meaning of the following terms:
- i) Syllabus (2 marks)
 - ii) Scheme of work (2 marks)
- b) Explain the importance of a scheme of work (5 marks)
- c) Describe the three major phases of a lesson plan (6 marks)
- d) What are the factors considered when preparing scheme of work (5 marks)

QUESTION FOUR

- a) Distinguish between assessment and evaluation (4 marks)
- b) Explain the purpose of summative evaluation (6 marks)
- c) Differentiate between criterion reference and norm referenced assessment (4 marks)
- d) Explain the characteristics of a good test (6 marks)

QUESTION FIVE

- a) What are the problems associated with testing (3 marks)
- b) Explain five techniques of evaluation (10 marks)
- c) State the strengths of lecture method as a method of teaching (4 marks)
- d) Give three weaknesses of audio visual presentations (3 marks)

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