



MACHAKOS UNIVERSITY COLLEGE

(A Constituent College of Kenyatta University)

University Examinations 2015/2016

SCHOOL OF AGRICULTURE AND ENVIRONMENTAL SCIENCE

DEPARTMENT OF ENVIRONMENTAL STUDIES

FIRST SEMESTER EXAMINATION FOR BACHELOR OF SCIENCE
DEGREE IN ENVIRONMENTAL STUDIES

EAG 0244: PRINCIPLES OF TEACHING AND LEARNING AGRICULTURE

Date:

Time:

INSTRUCTIONS;

- i. Answer Question ONE and ANY other Two Questions
- ii. Do not write on the question paper.
- iii. Mobile phones, computers and apple pads are not permitted in the examination rooms.

SECTION A COMPULSORY 30MKS

Question One

- a)
 - i) Explain any four essential elements of learning. (6 marks)
 - ii) Explain four approaches which an agriculture teacher may adopt in order to promote effective teaching and learning. (6 marks)
 - iii) Explain four ways in which the principle of knowledge of progress may facilitate learning. (6 marks)

- b)
 - i) Explain any four objectives of agricultural education in Kenya schools. (6 marks)
 - ii) Explain four reasons why a teacher should know the students in a teaching learning situation. (6 marks)

SECTION B: ANSWER ANY TWO QUESTIONS (40 MARKS)

QUESTION TWO

- a) Explain any five ways in which field demonstrations can be used in to practical instruction of agriculture in a secondary school. (10 marks)
- b) Differentiate between activist learners and reflective learners. (10 marks)

QUESTION THREE

- a) Explain any five outstanding qualities of a good instructor. (10 marks)
- b) Explain any five characteristics of learning (10 marks)

QUESTION FOUR

- a) Explain five reasons why a teacher of agriculture should consider meeting the learners needs instructions. (10 marks)
- b) Give four reasons why reinforcing correct behavior leads to effective learning. (10 marks)

QUESTION FIVE

- a) Explain five democratic approaches to teaching (10 marks)
- b) Explain any five learner related factors that may influence the classroom learning atmosphere (10 marks)