MASENO UNIVERSITY

UNIVERSITY EXAMINATIONS 2015/2016

THIRD YEAR FIRST SEMESTER EXAMINATIONS FOR THE DEGREE OF BACHELOR OF EDUCATION WITH INFORMATION TECHNOLOGY

MAIN CAMPUS

ECT 334: SPECIAL METHODS OF TEACHING COMPUTER STUDIES

Date: 12th January, 2016

Time: 8.30 - 10.30 am

INSTRUCTIONS:

- Answer question ONE and any other TWO questions.
- Question ONE carries 30 marks, all other questions carry 20 marks each.

QUESTION ONE

a) The aim of the secondary school education Computer Studies course can be summarised as the provision of learners with a firm foundation of computer literacy. Explain the major characteristics of a computer literate person. [05 marks]

b) You have been posted to a school to teach Computer Studies. Faced with overwhelming applications or enrolment, what criteria would you use to select learners in a Computer Studies class? [05 marks]

c) Briefly explain the main factors that promote effective use of computers in schools. [05 marks]

d) The lecture method is a teacher-dominated approach to teaching; hence it is termed a didactic method. In what ways can it be modified to make it learner centred? [05 marks]

e) Distinguish between formative and summative evaluation as used in Computer Studies. [05 marks]

f) Briefly explain why a computer laboratory is a more difficult place to teach in compared to the normal classroom. [05 marks]

QUESTION TWO

Select a topic from the current approved secondary school Computer Studies syllabus and design a scheme of work to teach the topic for 1 (one) week. From the scheme of work, derive a lesson plan to teach any sub-topic or concept there-from. [20 marks]

QUESTION THREE

A computer Studies course needs to strike a balance between the descriptive and theoretical approaches on one hand and the practical aspects on the other. Discuss. [20 marks]

QUESTION FOUR

a) Identify and explain any 5 (five) goals of education in Kenya and the role played by Computer Studies in their attainment. [10 marks]

b) Explain the pre-laboratory and post-laboratory activities a Computer Studies teacher would engage in in the endeavour to successfully execute a laboratory session. [10 marks]

QUESTION FIVE

Identify and explain the 4 (four) classically recognized types of formative evaluation according to Tessmer (1994).