MASENO UNIVERSITY

UNIVERSITY EXAMINATIONS 2015/2016

FIRST YEAR SECOND SEMESTER EXAMINATIONS FOR THE
DEGREE OF MASTER OF EDUCATION

CITY CAMPUS -SCHOOL BASED

ETE 808: THEORETICAL BASIS OF LEARNING WITH
TECHNOLOGY

Date: 16ᵗʰ December, 2015   Time: 9.00 - 12.00 noon

INSTRUCTIONS:

- Answer ANY THREE questions.

QUESTION ONE

a) Explain the six LOTI levels of technology integration giving a classroom example for each of the levels. (12 marks)

b) Discuss the learning theory on which your technology integration practices are based giving a justification for your choice. (8 marks)

QUESTION TWO

a) Explain using the four levels, how the Substitution Augmentation Modification Redefinition (SAMR) model of technology integration would be of help to a classroom teacher? (12 marks)

b) Justify why a learning institutions need to invest in an instructional technology project. (8 marks)

QUESTION THREE

a) Discuss at least one model that can assist in developing a technology enhanced curriculum. (12 marks)

b) Discuss the merits and demerits of using technology in classroom instruction (8 marks)

QUESTION FOUR

a) Discuss the impact of information processing approaches to classroom technology integration. (10 marks)

b) Explain how you can use a cost-benefit analysis to convince an international donor to finance a school technology project. (10 marks)

QUESTION FIVE

a) Discuss the future potentials of technology in education. (10 marks)

b) Use a behaviourist theory grounded model to explain how technology can be used in classroom instruction. (10 marks)