



MACHAKOS UNIVERSITY COLLEGE

(A Constituent College of Kenyatta University)

University Examinations 2015/2016

SCHOOL OF EDUCATION

DEPARTMENT OF EDUCATIONAL MANAGEMENT AND CURRICULUM STUDIES

..... SEMESTER EXAMINATION FOR THE DEGREE OF DOCTOR OF
PHILOSOPHY IN EDUCATION

EMP 904: COMPUTER TECHNOLOGY IN EDUCATION

Date:

Time:

INSTRUCTIONS

This paper consists of FIVE questions

Answer question ONE and other TWO questions in this paper

QUESTION ONE

- a) Explain a historical perspective of computer use in learning (8 marks)
- b) Discuss the key components of a computer laboratory (6 marks)
- c) Discuss the role of computers in Open and distance learning. (6 marks)

QUESTION TWO

- a) Discuss the uses of computers in the following situations;
 - i) Classroom teaching (4 marks)
 - ii) Examination processing (4 marks)
 - iii) Educational management (4 marks)
- b) Explain the health hazards of prolonged use of computers (8 marks)

QUESTION THREE

- a) Explain five factors that should be put into consideration before rolling out the proposed lap top project in primary schools in Kenya (10 marks)
- b) Explain five challenges that teachers may be encounter during the implementation of the proposed lap top project in primary schools in Kenya (10 marks)

QUESTION FOUR

- a) Distinguish between the following terms
 - i) Drill and simulation as tools in educational practice (4 marks)
 - ii) Classroom hardware and classroom software. (4 marks)
 - iii) Software evaluation and hardware evaluation. (4 marks)
- b) Discuss the challenges of examination malpractices attributed to information technology (8 marks)

QUESTION FIVE

- a) Explain the meaning of the following terms
 - i) Adoptive technologies (3 marks)
 - ii) Education Management Information Systems (3 marks)
- b) Explain the components of a Students' Information Management System (14 marks)