UNIVERSITY REGULAR EXAMINATIONS

2014 /2015 ACADEMIC YEAR

3RD YEAR 1ST SEMESTER EXAMINATIONS

(MAIN EXAMINATION)

FOR THE DEGREE OF BACHELOR EDUCATION (ART)

COURSE CODE: ESM 324

COURSE TITLE: COMPUTER EDUCATION

DATE: 20TH January 2015   **TIME: 3.00-5.00 p.m.**

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INSTRUCTIONS TO CANDIDATES:

Answer question ONE and any other TWO questions

1. (a) Using relevant examples explain **four** objectives of learning computer studies
(8marks)

(b) State four ways in which ICT can be used in developing test items   (4 marks)

(c) Differentiate between the following;

   i.   Assessment and evaluation   (4 marks)
   ii.   Formative evaluation and summative evaluation   (4 marks)
   iii.   Test and measurement   (4 marks)

(d) Schemes of work is one of the key professional documents a computer teacher must prepare. Explain any three reasons why a computer teacher must prepare this document

(6 marks)

2. (a) The following is an objective from a computer studies syllabus:
"By the end of the topic the learners should be able to install and configure the operating system". Explain four challenges that may be faced in implementing this objective

(8marks)

(b) Explain three technological difficulties that may be experienced in teaching the topic "application packages" as required in the secondary school computer studies syllabus (12 marks)

3. (a) List six components of a record of work   (6 marks)

(b) Prepare a record of work for three lessons that have been taught on topic "computer systems"   (14 marks)

4. (a) A teacher in a certain school intends to integrate ICT in teaching. Discuss the circumstances under which the teacher may use spreadsheets in teaching and learning mathematics   (10 marks)

(b) Explain advantages of using laptops for teaching and learning as compared to using desktops

5. (a) Discuss four ways which may be used to reduce the risks of corruption of data and programs in a school computer laboratory   (12 marks)

(b) An office has four computers and one printer. Describe ways through which the printer can be used by the four computers without disconnecting the computer or using removable media   (8 marks)