UNIVERSITY EXAMINATIONS

2022/2023 ACADEMIC YEAR

THIRD YEAR FIRST SEMESTER

SPECIAL/SUPPLEMENTARY EXAMINATION

BACHELORS OF EDUCATION DEGREE

COURSE CODE: ESM 315

COURSE TITLE: COMPUTER STUDIES

DATE: 21ST AUGUST 2023   **TIME: 2:00-4:00PM**

INSTRUCTIONS TO CANDIDATES

Answer Question One and any other TWO (2) Questions

QUESTION ONE (20 MARKS)

(a) State **Five** factors that may be considered when planning a competence based curriculum lesson in computer studies. (5 marks)

(b) Using suitable examples Explain **three** factors to be considered when selecting teaching and learning resources that may be used in teaching of the topic "Classification of computers" in secondary school syllabus (9 marks)

(c) As a computer studies teacher you have been assigned to teach a desktop publishing package in form two.
   (i) Explain **four** teaching and learning activities that may take place in a computer laboratory (8 marks)
   (ii) Explain **four** professional records a teacher should have while teaching computer studies in a computer laboratory (8 marks).

QUESTION TWO (20 MARKS)

(a) Using suitable examples, describe the **five** areas one need to consider while observing a computer studies lesson
(10 marks)

(b) Using suitable examples describe any **five** factors a computer studies teacher should consider when preparing schemes of work   (10 marks)

QUESTION THREE (20 MARKS)

A compute teacher must enforce safety precautions in a computer laboratory.

(a) Discuss reasons for having in place safety precautions in a computer laboratory
(6 marks)
(b) Explain **four** characteristics of a computer laboratory layout   (8 marks)
(c) Outline **six** duties of a computer laboratory technician   (6 marks)

QUESTION FOUR (20 MARKS)

(a) Explain **six** tools used in integrating ICT in a computer lesson   (12 marks)
(b) Describe **Four** factors to consider in determining whether subject content can be delivered through ICT   (8 marks).

QUESTION FIVE (20 MARKS)

(a) Differentiate between:
   (i) Heuristic and didactic learning approaches   (4 marks)
   (ii) Assessment and evaluation   (4 marks)
(b) During the COVID19 pandemic, online learning was highly supported. With examples, explain four benefits of online assessment   (8 marks)
(c) During teaching and learning process, explain the interventions for learners with visual impairments in a computer class   (4 marks)