



# THE CATHOLIC UNIVERSITY OF EASTERN AFRICA

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GABA CAMPUS - ELDORET

MAIN EXAMINATION

SEPTEMBER– DECEMBER 2022 TRIMESTER

FACULTY OF EDUCATION

DEPARTMENT OF UNDERGRADUATE STUDIES IN EDUCATION

BACHELOR OF EDUCATION

ED 311: SUBJECT METHODS COMPUTER STUDIES

<b>Date: December 2022</b>	<b>Duration: 3 Hours</b>
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<b>Instructions: Answer Question ONE and any other THREE Questions</b>
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## QUESTION ONE

- a) Define Computer Studies **(2 Marks)**
- b) Differentiate between data and information as used in Computer Studies. **(4 Marks)**
- c) i) “Computer studies is a science”. Evaluate this statement. **(5 Marks)**  
ii) Explain the relevance of teaching computer studies in secondary schools **(4 Marks)**
- d) Draw a 40 minute lesson plan on any of the topics provided in appendix one. **(10 Marks)**

## QUESTION TWO

- a) Highlight five characteristics of a good Computer Studies teacher **(5 Marks)**

- b) Using the syllabus extract (provided in appendix I), construct a 1 week

Schemes of work with but not limited to the following;

- i) A class demonstration
- ii) Elements of the formal stage of Piaget’s theory
- iii) Assignments which require comprehension/ knowledge/synthesis skills **(10 Marks)**

### QUESTION THREE

- a) Justify the role of testing in the teaching and learning of computer studies

**(7 Marks)**

- b) Explain the possible solutions to any four challenges a Computer Studies teacher can experience when teaching the subject in High school.

**(8 Marks)**

### QUESTION FOUR

- a) Discuss any four features of a good Computer Studies examination Paper

**(8 Marks)**

- b) Highlight and explain the criteria used in selecting a teaching method. Use a specific topic to illustrate.

**(7 Marks)**

### QUESTION FIVE

- a) State and explain three types of project work in Computer Studies giving specific examples of each.

**(7 Marks)**

- b) Justify the use of instructional objectives in teaching Computer Studies in secondary schools today.

**(8 Marks)**

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