



(Knowledge for Development)

KIBABII UNIVERSITY

**UNIVERSITY EXAMINATIONS
2021/2022 ACADEMIC YEAR
THIRD YEAR FIRST SEMESTER
MAIN EXAMINATION
FOR THE DEGREE OF BED (SC)**

COURSE CODE: ESM 315

COURSE TITLE: COMPUTER EDUCATION

DATE: 20/05/22

TIME: 9:00AM-11:00AM

INSTRUCTIONS TO CANDIDATES

Answer Question One and Any other TWO (2) Questions

TIME: 2 Hours

This Paper Consists of 3 Printed Pages. Please Turn Over. ►

Instructions to candidates: answer question ONE and any other two questions

QUESTION ONE (30 MARKS)

- (a) Describe four remote learning methods that were appropriate during the COVID19 period
(8 marks)
- (b) State four factors to consider in determining whether subject content can be delivered through ICT
(2 marks).
- (c) As a computer studies teacher you have been assigned to teach the lesson security threats and controls measures in form two.
- (i) Explain four teaching and learning activities that may take place in that lesson
(8 marks)
- (ii) Explain six professional records a teacher should have while teaching lesson security threats and controls measures in form two
(12 marks).

QUESTION TWO (20 MARKS)

- (a) Using suitable examples: -
describe any five factors a computer studies teacher should consider when preparing a lesson
(10 marks)
- (b) Describe any five teaching methods used in computer studies lesson
(10 marks).

QUESTION THREE (20 MARKS)

- (a) Describe any three teaching standards out of the five adopted by Teachers service commission that computer teachers need to observe
(12 marks).
- (b) Describe Four factors to consider in determining whether subject content can be delivered through ICT
(8 marks).

QUESTION FOUR (20 MARKS)

- (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 FIVE (20 MARKS)

(a) Differentiate between: -

(i) Heuristic and didactic learning approaches (4 marks)

(ii) Assessment and evaluation (4 marks)

(b) Competence Based Curriculum(CBC) is currently being implemented in our institution of learning in Kenya, explain six CBC assessment tools used in assessing your computer studies learners (12 marks).