



(Knowledge for Development)

KIBABII UNIVERSITY

UNIVERSITY EXAMINATIONS

2020/2021 ACADEMIC YEAR

MAIN EXAMINATION

FOR POST-GRADUATE DIPLOMA IN EDUCATION

COURSE CODE: COM710E

COURSE TITLE: COMPUTER EDUCATION

DATE: 7/10/21

TIME: 9:00AM-11:00AM

INSTRUCTIONS TO CANDIDATES

Answer Question One and Any other TWO (2) Questions

TIME: 2 Hours

QUESTION ONE (30 MARKS)

- (a) State the **six** teaching standards the teacher need to observe while performing the teaching learning activities. (6 Marks)
- (b) Explain **three** factors to be considered when selecting resources that may be used in teaching the topic “safety precaution and practices in the computer laboratory. (6 Marks)
- (c) A teacher trainee has been assigned to teach a database package in form two. Explain **four** activities that may take place. (8 Marks)
- (d) Describe **five** factors to consider in determining whether subject content can be delivered through ICT. (10 Marks)

QUESTION TWO (20 MARKS)

- (a) The head of an institution must ensure that teachers maintain professional documents. State **ten** of such documents. (10 Marks)
- (b) Using suitable examples describe any **five** factors a computer studies teacher should consider when preparing Record of work. (10 Marks)

QUESTION THREE (20 MARKS)

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

- (a) Discuss reasons for ensuring safety precautions in a computer laboratory. (10 Marks)
- (b) Explain **five** characteristics of a computer laboratory layout. (5 Marks)
- (c) Outline **five** duties of a computer laboratory technician. (5 Marks)

QUESTION FOUR (20 MARKS)

- (a) State the difference between Formative evaluation and summative evaluation. (2 Marks)
- (b) Discuss **three** ways of reducing risks to data and program corruption in the school computer laboratory. (6 Marks)

- (c) An office has four computers and one printer. As a computer teacher describe ways through which the printer can be used by the four computers without disconnecting the computer or using removable media. (8 Marks)
- (d) State **four** factors that may be considered when determining the duration of any given topic in computer studies. (4 Marks)

QUESTION FIVE (20 MARKS)

- (a) A computer studies lesson plan is a document derived from a scheme of work. Discuss the **four** main stages of a lesson plan. (12 Marks)
- (b) During teaching and learning process, explain the interventions for learners with visual impairments in a computer class. (4 Marks)
- (c) With examples differentiate between heuristic and didactic learning approaches. (4 Marks)