



MAASAI MARA UNIVERSITY

**UNIVERSITY REGULAR EXAMINATIONS
2022/2023 ACADEMIC YEAR
THIRD YEAR SECOND SEMESTER**

BACHELOR OF EDUCATION

SCHOOL OF EDUCATION

COURSE CODE: ECI 3108-1

COURSE TITLE: INTEGRATION OF ICT IN EDUCATION

DATE: 7TH DECEMBER, 2022

TIME: 1100-1300

INSTRUCTIONS TO CANDIDATES

Question ONE is compulsory

Answer any other TWO questions

QUESTION ONE (Compulsory)

- a) Explain the meaning of the following terminologies as applied this course.
- Integration
 - Synchronous
 - Asynchronous
 - Multimedia
 - Videoconferencing

(10 Marks)

- b) Highlight five benefits that teachers would get from integrating ICT in teaching and learning

(10 Marks)

QUESTION TWO

- a) Giving an example in each case, explain how a teacher can apply the following computer technologies in teaching and learning:
- Word processors
 - Graphic and desktop publishing
 - Presentation software
 - Database and spreadsheet
 - Email





(10 Marks)

- b) A teacher is looking for an education resource online to use for teaching a given topic. Guide the teacher on five considerations to help him/her select appropriate resources.

(5Marks)

QUESTION THREE

- a) Explain the five life skills considered to be very important to the 21st Century learner.
(10 Marks)
- b) A secondary school teacher looking for Open Education Resources for teaching identified that the resources had the following license Icons and rights. Describe the right allowable by each of the four licenses. **(5 Marks)**

	Icon	Right
i.		(BY)
ii.		(SA)
iii.		(NC)
iv.		(ND)
v.	CC Zero	(CC0)

QUESTION FOUR

- a) Giving examples discuss five ways on how a teacher can apply Computer Assisted Instruction (CAI) in teaching. **(10 Marks)**
- b) Explain the **5R** characteristics of Open Education Resources. **(10 Marks)**

QUESTION FIVE

- a) Explain 5 benefits associated with use a computer for drills and practice in teaching and learning. **(10Mark)**
- b) identify any five cyber security risks faced by students while learning online. **(5 Mark)**