



UNDERGRADUATE UNIVERSITY EXAMINATIONS

SCHOOL OF EDUCATION (SOE)

DEGREE OF BACHELOR OF EDUCATION ARTS

**ECT 201: EDUCATION, COMMUNICATION, MEDIA AND
TECHNOLOGY**

DATE: 31ST JULY 2026

DURATION: 2 HOURS

MAXIMUM MARKS: 70

INSTRUCTIONS:

1. Write your registration number on the answer booklet.
2. **DO NOT** write on this question paper.
3. This paper contains **SIX (6)** questions.
4. Question **ONE** is compulsory.
5. Answer any other **THREE** questions.
6. Question **ONE** carries **25 MARKS** and the rest carry **15 MARKS** each.
7. **Write all your answers in the Examination answer booklet provided.**

QUESTION ONE

Read the Case Study below carefully and answer the questions that follow:

Green Valley Higher Secondary School has recently introduced a technology-integrated teaching approach. Teachers are encouraged to use digital readers, tablets, audio-visual aids, and computer-assisted instruction (CAI) in classrooms. Some teachers design their own digital content such as PowerPoint lessons, online quizzes, and recorded lectures, while students create presentations and short videos as part of their assignments.

The school follows an instructional systems design approach to plan lessons. One science teacher uses Gagné's Nine Events of Instruction while teaching a biology lesson through multimedia presentations and simulations. The lesson begins with an attention-grabbing video, followed by clear objectives, guided learning using animations, practice through CAI drills, and immediate feedback via online tests.

Community resources such as the local science center and public library are also used to enhance learning. However, some challenges remain. A few teachers lack confidence in using technology, internet connectivity is unstable, and not all students have access to devices at home. Despite these obstacles, the school administration believes that educational technology improves student engagement, motivation, and learning outcomes.

Required:

- a) Identify the values of using educational technology shown in the case (8 marks)**
- b) Evaluate the role of teachers in a technology-driven world (6**

marks)

- c) Mention two obstacles to effective use of technology and suggest solutions.

(6 marks)

- d) Discuss the meaning of education communication technology **(5 marks)**

QUESTION TWO

Ms. Amina, a social studies teacher, wants her students to learn about local governance and civic responsibility. She plans to take her class to the town council office and invite a local council member to give a talk. She also encourages students to interview community leaders and observe local civic projects as part of their assignments.

- a) Identify the types of community resources Ms. Amina is using.

(10 marks)

- b) Explain two ways the resources mention in question one resources enhance teaching and learning.

(5 marks)

QUESTION THREE

- a) Discuss ways in which audio media improve understanding and retention

(5 marks)

- b) List and explain four types of instructional media used in education.

(10 marks)

QUESTION FOUR

- a)** Discuss the role of ICT (Information and Communication Technology) in modern education.

(5 marks)

- b)** Explain the challenges teachers may face when integrating technology into the classroom and suggest solutions.

(10 marks)

QUESTION FIVE

- a)** Describe the differences between traditional classroom teaching and technology-enhanced teaching.

(10 marks)

- b)** Describe two examples of mobile learning **(5 marks)**

QUESTION SIX

- a)** Communication in the classroom is sometime is ineffective, assess various factors affecting effective communication

(10 marks)

- b)** Discuss the role of Computer Application Instructions in improving learning **(5 marks)**