THE 47 COUNTIES C1 SCHOOLS' JOINT NATIONAL SBA ASSESSEMENT

KENYA CERTIFICATE OF BASIC EDUCATION

SENIOR SCHOOL ASSESSMENT

TERM 2: MIDTERM ASSESSMENT 2026

GRADE 10 – INFORMATION COMMUNICATION TECHNOLOGY

Time: 2 Hours

LEARNER'S DETAILS

Name: _____. **School:** _____.

Assessment Number: _____. **Date:** _____.

School Code: _____. **Signature:** _____.

INSTRUCTIONS TO CANDIDATES

1. Write your details as required in the spaces provided above.
2. This paper consists of two sections: A and B.
3. Answer all questions in section A and section B.
4. Answer the questions in English.
5. All answers MUST be written in the spaces provided in the paper.
6. Do NOT remove any page from this question paper.

FOR OFFICIAL USE ONLY (EXAMINER'S USE)

SECTION	SECTION A	SECTION B	% SCORE	EE1	EE2	ME1	ME2	AE1	AE2	BE1	BE2
SCORE RANGE	30 MARKS	50 MARKS		90-100	75-89	58-74	41-57	31-40	21-30	11-20	1-10

SECTION A (30 MARKS)
Answer ALL questions in this section.

1. Competence Education Group has the following ICT infrastructure components. Group them into **Hardware, Software, or Network component.**







(i) Router: (ii) Windows 11: (iii) Mouse:

Hardware component	Software component	Network component

2. Four learners from Ziwani Senior School **gave the following definitions. Match the learner to the correct ICT term.** **(3 marks)**

Musa: "The physical components and systems used to process and transmit data."

Asha: "Data that has been processed into a meaningful form for the user."

Kato: "A series of steps taken to convert raw facts into useful output."

Jane: "The use of digital technology to help people communicate and manage information."

Learner	Term described
(a) Musa	(i) Information
(b) Asha	(ii) Information Communication Technology
(c) Kato	(iii) Technology
(d) Jane	(iv) Process

3. Chief Otieno **was using a projector for a community meeting. (4 marks)**



For each statement provided tick whether a statement is true or false

	statement	True	False
(a)	A projector is an input device used to capture data.		
(b)	Using ICT in the community improves information reach		
(c)	Digital devices like tablets are only for entertainment		
(d)	ICT can help Chief Otieno store community records safely		

4. Identify the following Search Engines **from their logos. (3 marks)**







(a) _____ (b) _____ (c) _____

5. Circle the Operating System that is primarily used for mobile devices like smartphones in Kenya. (1 mark)



A.



B.

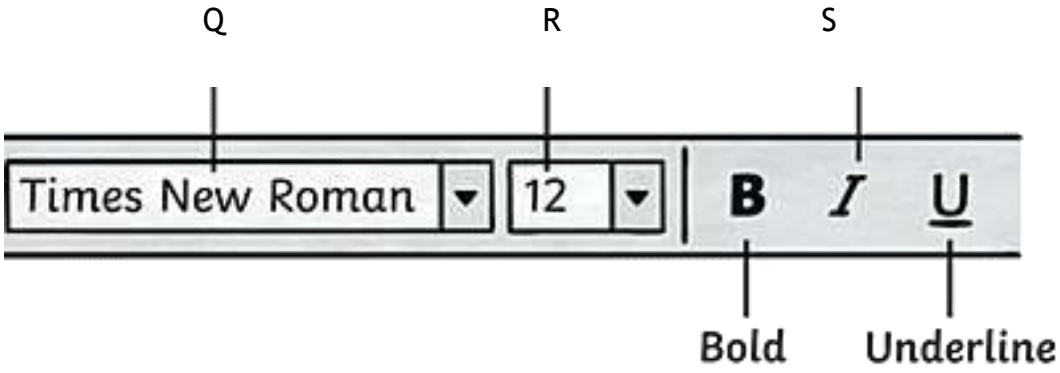


C.



D.

6. Look at the Word Processor interface below. Name the parts labeled Q, R, and S. (3 marks)



A: _____ B: _____ C: _____

7. Match the Utility Software to its correct function in a school computer lab. (4 marks)

Utility	Function
(a) Antivirus	(i) Reduces file size for storage
(b) Disk Cleanup	(ii) Protects against malware and viruses
(c) File Compression	(iii) Creates a copy of data for safety
(d) Backup Utility	(iv) Removes unnecessary temporary files

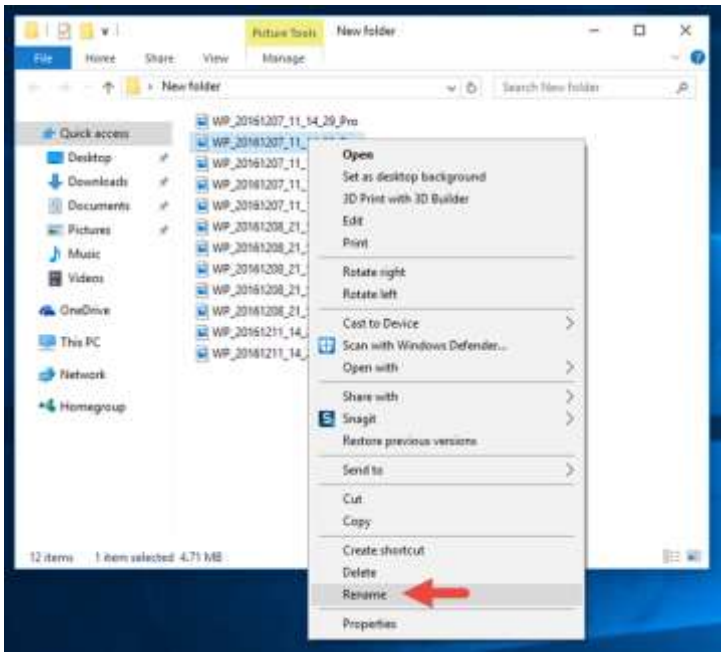
8. List **four technologies** used in communication within a modern Kenyan office. (4 marks)

(i) _____.
(ii) _____.
(iii) _____.
(iv) _____.

9. State **two ways** a user can protect their computer from physical threats. (2 marks)

(i) _____
(ii) _____

10. Identify the File Explorer operation being performed in the image below. (2 marks)



Operation: _____

SECTION B (50 MARKS)

11. Mr. Kamau, the ICT teacher at Kilimani Senior School**, wants students to understand how to interact with computers. He shows them two images:** Image X and Image Y**.**

(a) Identify the type of User Interface (UI) shown in: (2 marks)



Image X

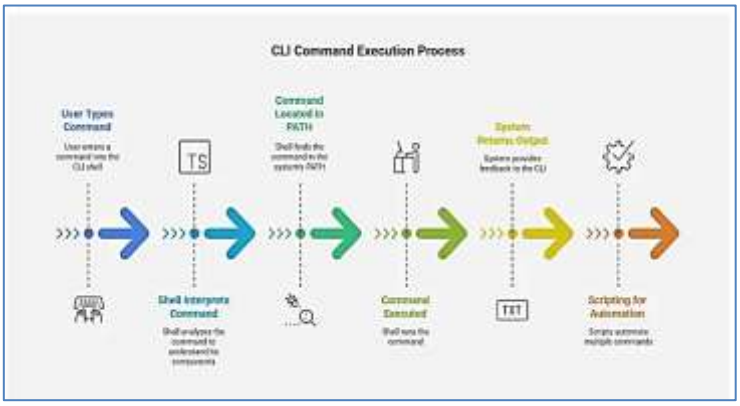


Image Y

Image X: _____

(b) Explain **two advantages** of using the interface in Image X for a beginner student. (4 marks)

i. _____.
ii. _____.

(c) Describe the steps Mr. Kamau would take to **change the Desktop Background** in Image X. (4 marks)

i. _____.
ii. _____.
iii. _____.
iv. _____.

12. Sarah, a Grade 10 student, is creating a school newsletter. She needs to include a table and some images.

(a) Explain the function of the "**Merge Cells**" feature Sarah used in her table. (2 marks)

i. _____.
ii. _____.

(b) Suggest **three formatting features** she should apply to make her document professional. (3 marks)

i. _____.
ii. _____.
iii. _____.

(c) Describe the difference between **AutoCorrect** and **AutoSave**. (4 marks)

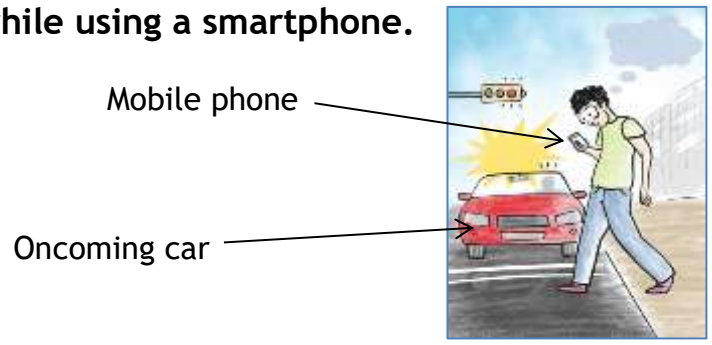
_____.

_____.

_____.

_____.

13. During a routeen monitoring, The Ministry of Transport observes a person crossing a busy Nairobi **street while using a smartphone.**



(a) Identify the unsafe behavior shown. (2 marks)

_____.

(b) Discuss **two physical health problems** that can arise from improper use of digital devices. (4 marks)

i. _____.

ii. _____.

(c) What is a **Digital Footprint**, and how can it affect a learner's future safety? (4 marks)

_____.

_____.

14. Zainab has saved her project in a folder named "TERM 1 PROJECT."

(a) How does checking the **"Read-only"** option protect her file? (2 marks)

i. _____.

ii. _____.

(b) Outline the steps to **move a file** from the Desktop to a Flash Drive. (5 marks)

i. _____.

ii. _____.

iii. _____.

iv. _____.

(c) State the purpose of the **Recycle Bin**. (2 marks)

_____.

_____.

15. A local clinic in Bomet County **uses ICT to manage patient records. One morning, the computer fails to boot.**

(a) Explain the term **booting**. (2 marks)

_____

_____

(b) Suggest **two troubleshooting steps** to solve the problem. (4 marks)

i. _____.

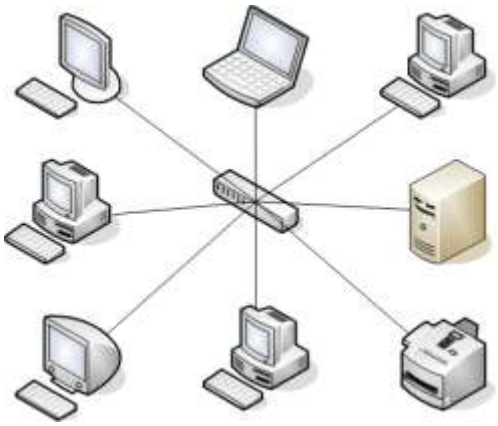
ii. _____.

(c) Analyze how ICT helps in **environmental protection** in the clinic. (2 marks)

i. _____.

ii. _____.

16. The school has connected computers using a certain network Topology**.**



(a) Identify the topology shown. (1 mark)

_____.

(b) Explain the role of the central device (Switch/Hub). (2 marks)

i. _____.

ii. _____.

(c) Calculate the number of cables needed if **5 more computers** are added. (2 marks)

_____

_____

_____

GRADE 10 INTER C1 SENIOR SCHOOLS END OF YEAR EXAMINATIONS

KENYA CERTIFICATE OF BASIC EDUCATION

SENIOR SCHOOL ASSESSMENT

TERM 3: END ASSESSMENT 2026

GRADE 10 – INFORMATION COMMUNICATION TECHNOLOGY

Time: 2 Hours

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POINTS				8 POINTS	7 POINTS	6 POINTS	5 POINTS	4 POINTS	3 POINTS	2 POINTS	1 POINT
LEARNER'S TOTAL SCORE											

SECTION A (35 MARKS)

Answer ALL questions in this section.

1. a) Define the term **Information and Communication Technology (ICT)**. **(1 mark)**

_____

_____

b) State **two technologies used for communication** in modern society. **(2 marks)**

i. _____

i. _____

ii. _____

2. Study the simplified ICT infrastructure arrangement below.



a) Identify the component labelled **A**. **(1 mark)**

_____

b) Identify **any two end-user devices** represented by E–J. **(2 marks)**

E: _____

F: _____

G: _____

H: _____

I: _____

c) State **one function of device C** used to connect computers in an organisation. **(1 mark)**

_____

_____

d) Give **one reason why an organisation requires ICT infrastructure**. **(1 mark)**

_____

_____

3. ICT is widely used in different sectors of society.

a) Name **three application areas of ICT**. **(3 marks)**

i. _____

ii. _____

iii. _____

b) Explain **one benefit of ICT in the health sector**. **(1 mark)**

_____

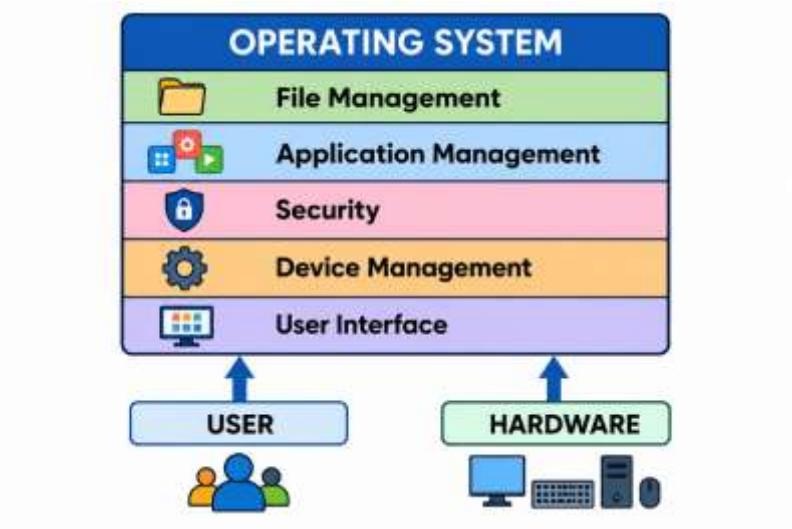
_____

c) State **one way ICT can be used to support environmental conservation**. **(1 mark)**

_____

_____

4. Study the diagram below.



a) What is an **operating system**? **(1 mark)**

_____

_____

b) Name **two operating systems** used in digital devices. **(2 marks)**

i. _____

ii. _____

c) State **two functions of an operating system**. **(2 marks)**

i. _____

ii. _____

5. A learner has created the following files on a computer:

ICT Notes.docx
ICT Presentation.pptx
ICT Poster.pub
ICT Assignment.docx

a) Suggest a suitable **folder name** in which the four files could be stored. **(1 mark)**

_____

b) State **two operations that can be performed on a file or folder** using an operating system. **(2 marks)**

c) Give **two security measures** that can be used to protect files stored on a computer. **(2 marks)**

i. _____

ii. _____

6. a) Explain the meaning of **digital citizenship**. **(1 mark)**

_____

_____

b) State **two responsible behaviours** expected from a digital citizen. **(2 marks)**

i. _____

ii. _____

c) A learner receives a message from an unknown person requesting a password and personal information.

i) State **one danger associated with responding to the message**. **(1 mark)**

_____

_____

ii) Give **one appropriate action the learner should take**. **(1 mark)**

_____

_____

SECTION B: 50 MARKS

Answer ALL questions in this section.

7. A school has asked a learner to prepare a one-page notice using a word processor.

The notice should contain:

DIGITAL SKILLS CLUB
All Grade 10 learners are invited to join the Digital Skills Club. The club will help learners develop skills in word processing, presentations, desktop publishing, Internet research and digital communication.

a) Name **four word-processing features** that could be used to improve the appearance of the notice. **(4 marks)**

iii. _____

iv. _____

b) Explain the difference between **editing** and **formatting** a document. **(2 marks)**

_____

_____

_____

_____

c) State **two advantages of using a word processor instead of preparing the notice manually**. **(2 marks)**

i. _____

ii. _____

d) Describe **two methods of correcting errors** in a word-processing document. **(2 marks)**

i. _____

ii. _____

8. A learner has been assigned to prepare a presentation entitled:

"Responsible Use of ICT in Schools"

The presentation is expected to contain **six slides**.

a) Suggest suitable content for **any four slides** of the presentation. **(4 marks)**

i. _____

ii. _____

iii. _____

iv. _____

b) State **three principles of designing an effective presentation**. **(3 marks)**

i. _____

ii. _____

iii. _____

c) Explain why excessive use of **animations and transition effects** may reduce the effectiveness of a presentation. **(1 mark)**

d) Give **two ways of making a presentation accessible and easy to understand**. **(2 marks)**

i. _____

ii. _____

9. The school wants to produce a poster advertising an **ICT Innovation Exhibition**.
The poster should contain:

- School name
- Exhibition title
- Date
- Venue
- Activities
- Contact information

a) Define **desktop publishing**. **(1 mark)**

_____

_____

b) Name **two types of publications** that can be produced using desktop publishing software. **(2 marks)**

i. _____

ii. _____

c) State **three design principles** that should be considered when creating the poster. **(3 marks)**

i. _____

ii. _____

iii. _____

d) Explain **two advantages of using desktop publishing software** when preparing school publications. **(2 marks)**

i. _____

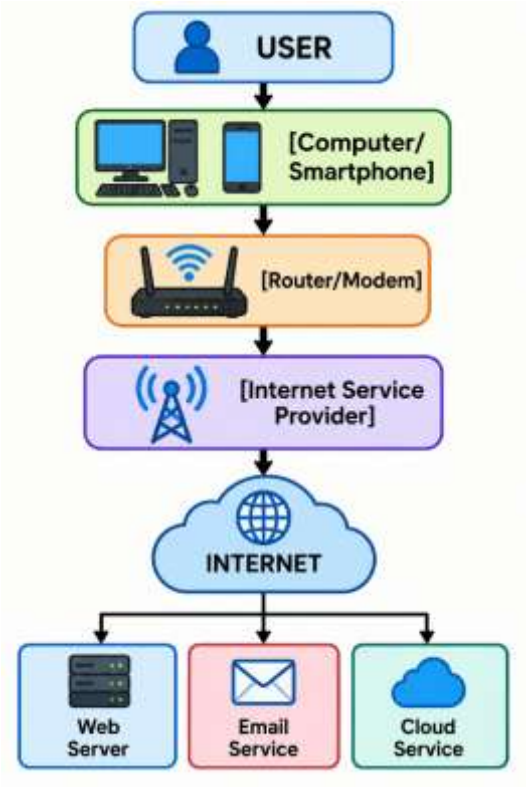
ii. _____

e) State **two pieces of information that should appear prominently on the poster**. **(2 marks)**

i. _____

ii. _____

10. Study the Internet communication process below.



a) What is the **Internet**? **(1 mark)**

_____

_____

b) Identify **two devices** that a user may use to access the Internet. **(2 marks)**

i. _____

ii. _____

c) State **three services or uses of the Internet**. **(3 marks)**

i. _____

ii. _____

iii. _____

d) Explain **two factors that should be considered when selecting an Internet connection for a school**. **(2 marks)**

i. _____

ii. _____

e) State **two responsible practices when using Internet search engines**. **(2 marks)**

11. A school plans to use digital communication technologies to connect teachers, learners and parents.

a) Name **four digital communication technologies or platforms** that can be used for communication and collaboration. **(4 marks)**

i. _____

ii. _____

iii. _____

iv. _____

b) Distinguish between **synchronous** and **asynchronous** digital communication. **(2 marks)**

_____

_____

_____

c) Give **two advantages of digital communication in education**. **(2 marks)**

i. _____

ii. _____

d) State **two measures that can help ensure safe and responsible digital communication**. **(2 marks)**

i. _____

ii. _____