NAME: …… ADM NO: …… CLASS: ……
SCHOOL: ……DATE…….SIGN……..

GRADE 10 INFORMATION AND COMMUNICATION TECHNOLOGY (ICT)
OPENER EXAM TERM 2, 2026
TIME: 2 HOURS

INSTRUCTIONS TO CANDIDATES

1. ***Write your name, admission number and class in the spaces provided above.***
2. ***This paper consists of FIVE compulsory questions.***
3. ***Answer ALL questions.***
4. ***All answers must be written in the spaces provided in this paper.***
5. ***This paper consists of 12 printed pages. Ensure all pages are printed and no questions are missing.***

1.(a) Define the term Information and Communication Technology (ICT). **(2 marks)**

(b) State FOUR components of an ICT system. **(4 marks)**

(c) Explain THREE ways in which ICT has transformed communication in modern society. **(6 marks)**

(d) Distinguish between data and information, giving a suitable example to illustrate each. **(4 marks)**

(e) State FOUR areas/sectors in which ICT is applied in Kenya, stating one specific use in each area. **(4 marks)**

2.(a) Define the term word processing. **(2 marks)**

(b) State FOUR advantages of using word processing software over a traditional typewriter. **(4 marks)**

(c) Explain the function of each of the following word processing features:

(i) Find and Replace. **(2 marks)**

(ii) Mail Merge. **(2 marks)**

(iii) Spell Check. **(2 marks)**

(d) Identify the formatting option that would be used to perform each of the following tasks:

Task	Formatting Option
Making selected text appear darker/thicker	
Slanting text to the right	
Drawing a line below selected text	
Making text appear higher than the normal line (e.g. in x^2)	
Adjusting spacing between the left and right page margins	
Organising text into equal vertical sections on a page	

(e) Describe the steps you would follow to insert a table with 4 columns and 5 rows in a word processing document. **(4 marks)**

3.(a) Define the term Internet. **(2 marks)**

(b) State THREE requirements needed to connect a computer to the Internet. **(3 marks)**

(c) Explain the meaning of each of the following Internet-related terms:

(i) Web browser. **(2 marks)**

(ii) Search engine. **(2 marks)**

(iii) URL (Uniform Resource Locator). **(2 marks)**

(iv) Bandwidth. **(2 marks)**

(d) Describe THREE services available on the Internet. **(3 marks)**

(e) Study the email address below and answer the questions that follow:

johnmwangi2024@gmail.com

(i) Identify the username in the email address above. **(1 mark)**

(ii) Identify the domain name. **(1 mark)**

(iii) State ONE difference between CC and BCC when sending an email. **(1 mark)**

4.(a) Define the term computer security. **(2 marks)**

(b) State FOUR threats to ICT systems and data security. **(4 marks)**

(c) Explain THREE measures that can be taken to protect a computer system from unauthorised access. **(6 marks)**

(d) Define the term computer ethics and state THREE examples of unethical behaviour in the use of ICT. **(4 marks)**

(e) Explain TWO emerging trends in ICT, describing how each is changing everyday life. **(4 marks)**

5.(a) Define the term digital literacy. **(2 marks)**

(b) State FOUR ways in which ICT can be used to enhance teaching and learning in schools. **(4 marks)**

(c) Describe the procedure for creating, saving and retrieving a document using a word processor. **(6 marks)**

(d) Explain the meaning of the following terms as used in file management:

(i) File. **(2 marks)**

(ii) Folder/Directory. **(2 marks)**

(e) Study the table below showing file sizes and answer the questions that follow:

File Name	File Size
Assignment.docx	2.5 MB
Class Photo.jpg	3,200 KB
Music Clip.mp3	5.1 MB

School Database.accdb	1,024 KB

(i) Convert 3,200 KB to MB. **(1 mark)**

(ii) Identify the LARGEST file. **(1 mark)**

(iii) State the full meaning of the acronym MB as used in file sizes. **(1 mark)**

(iv) Arrange the files from the SMALLEST to the LARGEST. **(1 mark)**

END