INSTRUCTIONS TO CANDIDATES:

Answer all questions in this paper.

The paper is made up of twenty equally weighted questions.

All answers should be written in blue or black ink in the spaces provided on the question paper.

For Examiners’ Use only

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</table>
1. (a) Define the term computer. (02 marks)

(b) Give any three peripheral devices of a desktop computer. (03 marks)
(i) 
(ii) 
(iii) 

2. (a) State one reason why a computer laboratory should have: (03 marks)
(i) A good lighting system.
(ii) A well ventilated environment.
(iii) Appropriate furniture.

(b) Give two measures a computer laboratory technician should put in place to improve on the electricity power security. (02 marks)
(i) 
(ii) 

3. Outline the negative impact of ICT on the following sectors:
(a) Economic sector. (02 marks)
(i) 

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(i)  
(ii)  

3. Outline the negative impact of ICT on the following sectors:  
(a) Economic sector.  
(i)  

(02 marks)
(ii) .................................................................

(b) Social sector.............................................. (03 marks)

(i) ................................................................

(ii) ................................................................

(iii) ................................................................

4. (a) Describe the booting process of a computer. (03 marks)

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(b) State two possible consequences a computer may encounter whenever improper shut down is done. (02 marks)

(i) ................................................................

(ii) ................................................................

5. Identify the following input devices: (05 marks)

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..................................................................................

..................................................................................

..................................................................................

A. .................................................................

B. .................................................................

C. .................................................................
6. (a) Differentiate between System files and Document files. (02 marks)

(b) Give any three circumstances under which a computer user may choose the option save as from a file menu. (03 marks)

(i) 

(ii) 

(iii) 

7. (a) Distinguish between primary storage and secondary storage. (02 marks)

(b) Name one example of primary storage and two examples of secondary storage.

(i) Primary (01 mark)

(ii) Secondary (02 marks)

8. (a) Describe a Graphical User Interface (GUI). (02 marks)
(b) State one function of each of the following desktop icons:
(i) My computer. (03 marks)
(ii) Recycle bin.
(iii) My documents.

9. Define the following terms in relation to computer data processing:
(a) Processor speed. (02 marks)
(b) Fetching. (01 mark)
(c) Decoding. (02 marks)

10. (a) Explain any two elements of the “off-the-shelf” software. (04 marks)
(i) .........................................................
(ii) .........................................................
(b) Give one example of the “off-the-shelf” software. (01 mark)

11. (a) List any two requirements for Internet connection. (02 marks)
(i) .........................................................
(ii) .........................................................

Turn Over
(b) Outline **three** advantages of Internet connectivity. (03 marks)

(i) .................................................................

(ii) .................................................................

(iii) .................................................................

12. (a) State **one** function of each of the following utility programs:

(i) Diagnostic utility. (03 marks)

(ii) File Compression Utility.

(iii) Antivirus utility.

(b) Outline **two** ways of reducing the spread of computer viruses. (02 marks)

(i) .................................................................

(ii) .................................................................

13. (a) Write WWW in full as used in Internet technology. (01 mark)

(b) Distinguish between a **Web browser** and a **Search engine**. (02 marks)

(c) Give an example of a:

(i) Web browser ..............................................

(ii) Search engine .............................................
14. (a) Differentiate between IP address and Domain name. (02 marks)

(b) Describe each of the following protocols in relation to data communication:
(i) Simple Mail Transfer Protocol (SMTP). (01 mark)

(ii) Post Office Protocol (POP). (01 mark)

(iii) Hypertext Transfer Protocol (HTTP). (01 mark)

15. (a) Outline any three violations of computer ethics usage by computer users. (03 marks)
(i) ...........................................................................................................
(ii) ...........................................................................................................
(iii) ...........................................................................................................

(b) Suggest two measures that should be put in place to guard against information piracy in an organization. (02 marks)
(i) ...........................................................................................................
(ii) ...........................................................................................................

16. List five elements of data communication. (05 marks)
(i) ...........................................................................................................
(ii) ...........................................................................................................
(iii) ...........................................................................................................
(iv) ...........................................................................................................
(v) ...........................................................................................................
17. The table below shows a budget for an introduction ceremony.

<table>
<thead>
<tr>
<th></th>
<th>ITEM</th>
<th>UNIT COST</th>
<th>QUANTITY</th>
<th>TOTAL COST IN SHS</th>
<th>TOTAL COST IN £</th>
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<tr>
<td>1</td>
<td>Cultural dress</td>
<td>180,000</td>
<td>2</td>
<td></td>
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</tr>
<tr>
<td>2</td>
<td>Food</td>
<td>3,500</td>
<td>150</td>
<td></td>
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</tr>
<tr>
<td>3</td>
<td>Decoration</td>
<td>1,200,000</td>
<td>1</td>
<td></td>
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</tr>
<tr>
<td>4</td>
<td>Soda</td>
<td>19,000</td>
<td>13</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Mineral water</td>
<td>15,000</td>
<td>5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Exchange rate of £1</td>
<td>4,630</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(a) Which computer application was used to design the given budget?  
*(01 mark)*

(b) Identify the cell formatting feature which was applied to contents in D1 and E1.  
*(01 mark)*

(c) Write down the formula that would be used to compute:

(i) **TOTAL COST** in Shillings (Shs).  
*(01 mark)*

(ii) **TOTAL COST** in pounds (£). (Use the exchange rate in cell B7).  
*(02 marks)*

18. Describe any five tasks that are performed by digital forensic specialists.  
*(05 marks)*

(i) .................................................................

(ii) .................................................................

(iii) .................................................................

(iv) .................................................................

(v) .................................................................
19. (a) State the use of each of the following features in a presentation: (03 marks)

(i) Slide looping.

(ii) Slide transition.

(iii) Hyperlinks.

(b) Give one advantage of using the following in presentations: (02 marks)

(i) Handouts.

(ii) Notes pages.

20. (a) Outline any two uses of a server in a computer network. (02 marks)

(i) .................................................................

(ii) .................................................................

(b) Name three types of computer networks. (03 marks)

(i) .................................................................

(ii) .................................................................

(iv) .................................................................