JUNE 2023 BECE HIME MOCK
MARKING SCHEME
INFORMATION & COMMUNICATION TECHNOLOGY

QUESTION 1

A. i. Names of diagrams

A - Cathode Ray Tube monitor
B - Liquid Crystal Display monitor
C - Power Supply Unit
D - Central Processing Unit
E - Random Access Memory
D - Heat sink 1 mark each = 6 marks

ii. Uses of C, D, E and F

C (Power Supply Unit) - It receives electric power from the socket and distributes the power to other components. 1 mark

D (Central Processing Unit) - It carries out processing tasks for the computer. 1 mark

E (Random Access Memory) - It temporarily stores data that is being processed by the central processing unit. 1 mark

F (Heat sink) - It is placed on the processor to absorb the heat from the processor. 1 mark

iii. Differences between diagrams A and B

A (Cathode Ray Tube monitor)	B (Liquid Crystal Display monitor)
* They are big and heavier	* They are thinner and have less weight
* They are less expensive	* They are expensive
* They consume a lot of electric energy	* They consume less electric energy
* They cover more space on a desk	* They cover less space on a desk

1 mark each x any 4 = 4 marks

B. <u>Steps involved in the process of creating a hard copy image of a document.</u>

1. Click File on the menu bar
2. Click Print on the file menu
3. Select the printer you want to use in printing on the Print dialog box
4. Select the page range you want to print
5. Select number of copies you want to print
6. Click Ok to print document

1 mark for each correct step = 6 marks

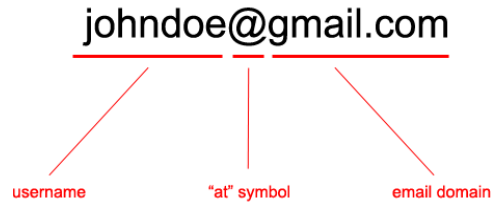
C.

Alignment tool	Shortcut keys
	Ctrl + L
	Ctrl + J
	Ctrl + E
	Ctrl + R

1 mark each = 4 mark

<u>QUESTION 2</u>

a. <u>E-mail and its components</u>



2 marks

b. Copy and paste command is a command used to create and send a copy of selected text in a document to another location in the same documents or another document whiles cut and paste command is a command used to move selected text in a document to another location in the same document or another document.

1.5 marks each = 3 marks

C. i. Reasons for soft copy format

* Soft copy format is that they are easy to store and share.
* Soft copy format take up less space.
* Soft copy format can be sent electronically.
* Soft copies can also be password protected and encrypted for security

1 mark each x any 2 = 2 marks

ii. Reasons for hard copy format

* Hard copy format is appropriate in the absence of computer
* Hard copy format is free from virus infection
* Hard copy does not require a computer literate to use
* Hard copy is available when there is no supply of electricity

1 mark each x any 2 = 2 marks

d. Features of spreadsheet

* Row
* Columns
* Formula bar
* Worksheet
* Workbook
* Name box
* Cell pointer 1 mark each x any 3 = 3 marks

QUESTION 3

a. Steps to enter data into worksheet

i. Click the cell to make the cell active
ii. Type the data into the active cell
iii. Press enter to accept typed data 1 mark each = 3 marks

b. Types of data accepted by spreadsheet

* Labels
* Values
* Formulas 1 mark each = 3 marks

c. Define hacking

Hacking is the process of gaining unauthorized access to a computer or network by overcoming security of the computer or network. 2 marks

d. i. What is internet addiction disorder ?

Internet addiction disorder is a mental disorder that affects individuals who are unable to control their usage of the internet. 2 marks

ii. Effects of Internet addiction disorder

* Addicted persons always feel occupied
* It retards education progress of addicted persons.
* It causes sleeplessness because addicted individual use the internet for long periods
* Social life of addicted individual is badly affected. 1 mark x any 2 = 2 marks

QUESTION 4

a. i. What is operating system ?

Operating system is a system of software that manages application software and controls the hardware components of the computer. 2 marks

ii. Functions of the operating system

* The operating system controls the hardware components of the computer
* The operating system provides interface between user and the computer
* Operating system regulates the operations of application software on the computer
* Operating system manages startup process of computer and proper shutdown action or the computer.

1 mark each x any 3 = 3 marks

b. Ways ICT tools support students in learning

* Calculation
* Accessing information
* Illustration
* Storing information
* Sharing ideas 1 mark each x any 2 = 2 marks

c. Difference between trademark and copyright

Trademark is a formally registered name, word, logo, symbol or image that is used to identify the manufacturer or distributor of products or services whiles Copyright is the legal rights given to inventors of original works on the use, reproduction and sale of their work.

3 marks

d. Full meaning of the following

i. HTTPS - HyperText Transport Protocol Secure. 1 mark

ii. ATM - Automated Teller Machine. 1 mark

QUESTION 5

a. Kinds of digital computers

* Supercomputers
* Mainframe computers
* Minicomputers
* Microcomputers 1 mark each x any 3 = 3 marks

b. i. What is formatting ?

Formatting is the process of changing the appearance of the text in a document. **2 marks**

ii. Examples of formatting tools

* Font	* Underline
* Font size	* Align left
* Bold	* Align right
* Italic	* Center

0.5 mark each x any 4 = 2 marks

c. Threats to computers

* Electricity
* Dust
* Rodents
* Virus 1 mark each x any 3 = 3 marks

d. What is Backup ?

Backup is a duplicate copy of a file or folder on a separate storage device that you can use when the original file or folder is lost or damaged. 2 marks

OBJECTIVES

1.C	2.B	3.A	4.C	5.C	6.D	7.D	8.C	9.B	10.B
11.B	12.D	13.A	14.C	15.A	16.D	17.B	18.C	19.D	20.A
21.A	22.A	23.B	24.A	25.B	26.B	27.D	28.D	29.B	30.C
31.D	32.B	33.B	34.D	35.A	36.C	37.A	38.C	39.C	40.A