

Students Name:

School Name..... Index Number

P210/1

ICT

PAPER 1

JULY/AUGUST 2025

$2\frac{1}{2}$ HOURS



HES MOCK EXAMINATIONS 2025

UGANDA ADVANCED CERTIFICATE OF EDUCATION

SUBSIDIARY ICT

PAPER 1

$2\frac{1}{2}$ HOURS

INSTRUCTIONS

- Attempt **ALL** questions in this paper.
- The maximum time allocated to this paper is 2 hours and 30 minutes.
- This paper is made up of 20 compulsory and equally weighted questions.
- Write all your responses in dark blue or black ink in the spaces provided.
- All answers should be written in the spaces provided. No additional material will be provided to the candidate.
- Unity work will lead to automatic loss of marks.

1. (a) Define the term computer hardware. (02 mark)
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- (b) Mention the **three** main components of the Central Processing Unit. (3 marks)
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2. Give **two** advantages of using a compact disc over a hard disk, and then give **three** disadvantages of compact discs over hard disks. (05 marks)
- (a) Advantages of **compact disc** over **hard disks**:
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-
- (b) Disadvantages of **compact disc** over **hard disks**:
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3. (a) Distinguish between **input** and **output devices**. (02 marks)
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- (b) Give **three** advantages of using a keyboard to enter data into a computer. (03 marks)
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-
4. (a) Distinguish between a **file name** and a **File extension**. (02 marks)
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- (b) Given the file path below;
C:\Users\Dave\Desktop\C\SEMINAR\S850 1.docx. Identify the following;
- (i) Root directory. (01 mark)
.....
- (ii) Dave (01 mark)
.....
- (iii) Folder name. (01 mark)
.....
5. (a) What are **utility programs**? (02 marks)
.....
.....
- (b) Explain **three** utility programs that can be applied to prevent file loss: (03 marks)
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.....
6. (a) Define the term, **a computer virus**? (01 mark)
.....
.....
- (b) Mention any **two** ways through which computer **viruses** are activated? (02 marks)
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.....
.....
- (c) How are **viruses** spread from one computer to another? (Give **two**). (02 marks)
.....
.....
7. (a) What is **a computer crime**? (01 mark)
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-
- (b) Differentiate between the following as used in computer security (02 mark)
- (i) **Hacking and Cracking?**
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-

- (iii) **Software theft and software piracy?** (02 mark)
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-

8. (a) Give **three** health problems associated with the prolonged use of computers. (03 marks)
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-
-

- (b) Give two ways how can these problems be avoided? (02 marks)
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-

9. (a) Explain the term **intellectual property?** (01 mark)
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-

- (b) Explain the **four** forms of intellectual property? (04 marks)
- Trademarks**
-
-

Copyrights

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Patent rights

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10. (a) Define the term **Computer Performance**. (01 mark)

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- (b) List any three activities performed during computer servicing in your school. (03 marks)

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.....

- (c) State one reason why computers need stable **power supply**? (01 mark)

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11. Assuming that one of your friends has bought a computer set with the specifications below. As a student of computer studies help him/her to understand these specifications as you answer the questions that follow;

Specifications:

- Intel(R) Core (TM) i5 M520 @ 2.60 GHz (4 CPUs)
- 4 GB of DDR2 SDRAM
- 500GB HDD, 7200 rpm
- Super Multi DVD+/-RW (+R DL) / DVD-RAM
- 10/100/1000 Base-T network interface and 56K modem
- Intel ® HD Graphics. 1280 X 800 (32 bit) LCD Display.
- Lenovo model 25184HU.
- Windows 7 Ultimate 64-bit (6.1, Build 7800)
- Norton Internet Security (3 years subscription), Microsoft Works (OEM), NTI CD-Maker Gold (OEM), Acer Empowering Technology, Adobe Acrobat Reader 7, Microsoft Office 2007 Home and Student Edition (Trial), & Acer Arcade Live.

- (a) State this computers' processing speed. (01 mark)

.....

- (b) Describe what the DVD+/-RW will enable him do. (01 mark)

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.....

- (c) What do DDR stand for in full? (01 mark)

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- (d) Identify **one** utility program supplied by the above computer. (01 mark)
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-
- (e) Convert the RAM capacity to megabytes. (01 marks)
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-
-
-

12. (a) Explain three facts that have made electronic mails more popular than traditional methods. (03 marks)
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-
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-

- (b) State two reasons to explain the limited usage of electronic mails in your community (02 marks)
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13. (a) Distinguish between Custom-made and Off-the-shelf packages. (02 marks)
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-
-

- (b) Many companies today are using tailor made software for internal operations. Give three advantages such companies are likely to benefit. (03 marks)
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-
-

14. Below is a database table for a company. Use it to answer the questions that follow.

SUPID	SURNAME	PRODCAT	DATE SUPPLIED	COST	UNITS	COMMENTS
W010	WAKO ISAC	POWDER SOAP	02-Jan-03	UGX 100,000	BOXES	
W011	DEBO BOB	DETERGENTS	05-Feb-96	UGX 30,000	LITERS	
W012	KENDO RASS	TEXT BOOKS	04-Jan-98	UGX 400,000	COPIES	
W013	YUBOLI GAAG	EXERCISE BOOKS	06-Jan-99	UGX 800,000	DOZENS	

(a) How many fields are found in the above database structure? (01 mark)

.....

(b) Identify appropriate data - types for:

(i) **Comments.** (01 mark)

.....

(ii) **Cost.** (01 mark)

.....

(c) Write down a date / time field property format you will use to output Date supplied **2023, Jan - 03.** (01 mark)

.....

(d) Write down the appropriate primary key field for your database. (01 mark)

.....

15. (a) Define the following terms as used in computer software.

(i) Beta software (01 mark)

.....

.....

(ii) Software release (01 mark)

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.....

(b) ABC intends to acquire an inventory management software so as to curb down the rampant theft of goods in stock by workers. Explain to the company management any three factors that should be considered before obtaining that software program. (03 mark)

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16. a) Explain the following terminologies as used on Internet

(i) **Cookies** (01 mark)

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.....

(ii) **Web count** (01 mark)

.....
.....

b) Mention any **three** internet service providers in Uganda other than Airtel (03 marks)

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.....
.....

17. Study the URL and answer the questions that follow:

http://www.ecdl.org/countries/uganda

(i) What does http stand for? (01 mark)

.....

(ii) The domain name is (01 mark)

.....

(iii) Which is the **top-level domain (TLD)** in this URL? (01 mark)

.....

(iv) What does **“countries”** represent in this URL? (01 mark)

.....

(v) What is the **document name** which is currently opened on this website? (01 mark)

.....

18. (a) Explain the term Network Protocol (01 mark)

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.....

- (b) What are the likely benefits your school is likely to enjoy for having its computers in administration offices networked. (03 marks)

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19. For each of the statements below, **write** a true or false in the spaces provided:

Statement	True/False
Format painter clears formatting effects to the selected text	
A type writer prints one character at a time	
MS word can be used for simple calculations	
Ctrl-Shift-W Underlines words only	
Word processors cannot be used for Printing hardcopies of documents	

20. State **five** limitations to full internet use in your community. (05 marks)

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END