

S850/1

SUBSIDIARY I.C.T

Paper 1

June 2017

2 ½ Hours

RESOURCE MOCK EXAMINATIONS 2017

Uganda Advanced Certificate of Education

S.6

SUBSIDIARY I.C.T

Paper 1

2 Hours 30 minutes

INSTRUCTIONS TO CANDIDATES

*The paper is made up of **twentyequally** weighted questions.*

*Answer **all** questions in this paper.*

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

No additional answer sheets should be inserted.

1. What is **wordprocessing**? (02 marks)

- b.) Mention three examples of word processing software. (03 marks)

- 2.a) What are **impactprinters**? (01 mark)

- b.) List any two advantages of impact printers. (02 marks)

- c.) Mention any two advantages of using LCD(liquid crystal display) monitors over CRT (cathode ray tube) monitors.

- 3.a) Distinguish between **applicationprograms** and **systemsoftware**.

- b.) State any four functions of an operating system software. (03 marks)

- 4.a) Define the term **computercrime**. (01 mark)

- b.) Explain the following terms in relation to computer usage
- (i) Hacking (01 mark)

- (ii) Piracy (01 mark)

- c.) State three ways of preventing computer crime. (02 marks)

5.a) The prolonged use of computer can lead to health problems and safety problems.
(i) State any two health problems that may be caused by prolonged use of computers.
(02 marks)

(ii) State any three ways of preventing health problems. (03 marks)

6.a) When purchasing a computer, the clock speed, RAM speed, hard disk size and monitor size are often quoted. (05 marks)

a.) State the unit for measuring each:

(i) Clock _____

(ii) RAM size _____

(iii) Hard disk space _____

(iv) Monitor _____

b.) State the difference between warm booting and cold booting.

7.a) Define **UserInterface**. (01 mark)

b.) State any two user interfaces. (02 marks)

c.) State any two differences between the user interfaces in (b) above.

8.a) Mention any two web browsers that are commonly used to access the internet.
(02 marks)

b.) State any three reasons why people continuously want to access the internet.
(03 marks)

9.a) What is a **computervirus**?

b.) Suggest four pre-cautions to prevent computer virusinfections.

10.a) Explain briefly the functions of the following components in the central processing unit (C.P.U).

(i) Control unit (C.U)

(ii) Arithmetic and logic unit (ALU)

(iii) Registers

b.) What is the advantage of using memorycache? (02 marks)

11.a) List the two components of primary memory in a computer. (01 mark)

b.) What are the four major differences between the two components mentioned in (a.) above.

12. Describe the following terms in relation to adatabase managementsystems (DBMS).

(i) record (01 mark)

(ii) Field (01 mark)

(iii) Query (01 mark)

(iv) Key field (01 mark)

(v) Data type (01 mark)

13.a) What do you understand by the term computer communication?

b.) Suggest the differences between analog signal and digital signal.

14.a) What do you understand by the term **inputting data**? (01 mark)

b.) What are the input devices responsible for the following functions?
(i) Photographs

(ii) Text

(iii) Maps

(iv) Speech

15.a) State three advantages of using compact discs over floppy diskettes.

b.) Explain three ways you may care and handle floppy diskettes. (03 marks)

16. A student stored a document on his computer, later on, he found out that the document could not open.

a.) Give two possible causes of this. (02 marks)

b.) State two precautions a student should take to ensure that his work was not lost. (02 marks)

c.) Mention two reasons why warm booting may be required. (01 mark)

17. Explain the stages of information processing cycle giving an example of each device that is used in each stage. (05 marks)

18.a) Give any four examples of documents that can be create by a word processor. (02 marks)

b.) Suggest three reasons why the usage of mechanical type written is gradually decreasing in most organizations than word processors.

19. Write the following acronyms in full in relation to ICT. (05 marks)

(i) GUI _____

(ii) URL _____

(iii) F.T.P _____

(iv) HTML _____

(v) ATM _____

20.a) What is **informationtechnology**? (02 marks)

b.) Give two examples of IT applications in each of the following areas;

(i) Industry (01 mark)

(ii) Security (01 mark)

(iii) School (01 mark)

END