

Name:

SIGNATURE:

ICT
Subsidiary Paper
S850/1
S.5
2 hours 30 Minutes

SETLIGHT QUALITY SECONDARY SCHOOL
Uganda Advanced Certificate Of Education
INFORMATION AND COMMUNICATIONS TECHNOLOGY (ICT)
(Subsidiary Paper) SENIOR FIVER
Paper One
(Theory)
2 Hours 30 Minutes

Instructions:

- a) This paper is made up of twenty structured questions.*
- b) Write your answers in the spaces provided.*
- c) All questions are compulsory.*
- d) All questions carry equal marks*

FOR OFFICIAL USE ONLY					
1		11			
2		12			
3		13			
4		14			
5		15			
6		16			
7		17			
8		18			
9		19			
10		20			
SUB TOTAL		SUB TOTAL		TOTAL	

1. (a). Define the term computer literacy. (01 mark)

.....

.....

(b). State the difference between data and information. (02 marks)

.....

.....

(c). Mention two reasons for studying ICT in schools. (02 marks)

.....

.....

2. (a). Define a computer laboratory. (01 mark)

.....

.....

(b). Mention two ways you can ensure safety of computers in a lab. (02 marks)

.....

.....

(c). State two uses of air conditioner facility in a computer lab. (02 marks)

.....

.....

3. (a). Give the difference between a file and a folder. (01 mark)

.....

.....

.....

(b). Mention two ways a file is kept secure in a computer. (02 marks)

.....

.....

- (c). In which folder is this file saved?
C:\Users\User\Desktop\TCN\senior five paper one theory.docx (02 marks)

.....
.....

4. (a). Distinguish between a cold boot and a soft boot. (01 mark)

.....
.....

- (b). State two reasons for restarting a computer. (02 marks)

.....
.....

- (c). In the process of booting, write down a function for each of the following:

- (i). CMOS. (01 mark)

.....
.....

- (ii). RAM. (01 mark)

.....
.....

5. (a). Define the term Netiquettes. (01 mark)

.....
.....

- (b). State two rules of netiquette guidelines. (02 marks)

.....
.....

- (c). Write the following in full:
(i). OSI (01 mark)

.....

(ii). ISDN (01 mark)

.....

6. (a). State two factors that affect the speed of an internet connection . (02 marks)

.....

.....

(b). Mention one advantage of using internet. (01 mark)

.....

.....

(c). State the function of each of the following in the process of establishing a Network:

(i). bridge. (01 mark)

.....

.....

(ii). Firewall. (01 mark)

.....

.....

7. (a). State two devices that can be used as both input and output. (02 marks)

.....

.....

(b). Mention any two practical uses of the light emitting diode on a printer. (02 marks)

.....

.....

(c). State the difference between a hardcopy and a softcopy. (01 mark)

.....

.....

8. (a). Write CPU in full. (01 mark)

.....

(b). Mention one function of the following parts in a CPU:

(i). Registers. (01 mark)

.....

.....

(ii). Control Unit (01 mark)

.....

.....

(c). State the difference between an address bus and a data bus. (02 marks)

.....

.....

.....

9. (a). Mention two services provided by the internet. (02 marks)

.....

.....

(b). State one factor that leads to a slow internet download speed. (01 mark)

.....

(c). Briefly, describe the following types of websites:

(i). Blog. (01 mark)

.....

.....

(ii). Wiki. (01 mark)

.....

.....

10. (a). State two functions of the a network administrator in an organization. (02 marks)

.....
.....

(b). Mention any two computer certification programs. (02 marks)

.....
.....

(c). Give one use of a computer programming language. (01 mark)

.....

11.(a). What is a desktop publishing? (01 mark)

.....

(b). State two features of desktop publishing application programs. (02 marks)

.....
.....

(c). Give two examples of desktop publishing application programs. (02 marks)

.....
.....

12.(a). Mention two causes of system failure. (02 marks)

.....
.....

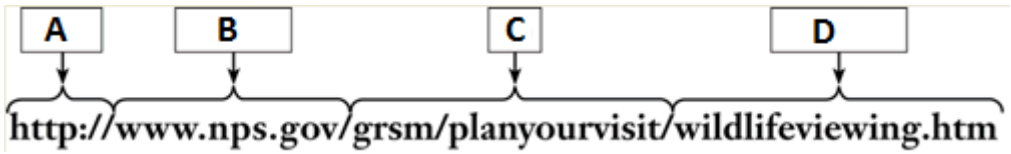
(b). State the difference between software upgrade and software update. (01 mark)

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

(c). Give one way system failure can be controlled. (01 mark)

.....

13.Study the Uniform Resource Locator (URL) exhibited. Use it to answer the following questions:



- a) Name the parts of the URL labelled:
- i. **A**.....(01 mark)
 - ii. **B**.(01 mark)
 - iii. **C**.(01 mark)
 - iv. **D**.(01 mark)
- b) If the Internet Protocol address of the server with this URL is 192.168.40.34/24 which protocol can be used to map the URL to IP address given?
- (01 mark)

14.Define the following computer terms:

- (a). Footer. (01 mark)
-
-
- (b). Header. (01 mark)
-
-
- (c). Hyperlink. (01 mark)
-
-
- (d). Computer virus. (01 mark)
-
-
- (e). Primary key. (01 mark)
-
-

15.(a). What are systems software programs? (01 mark)

.....

.....

(b). State the three sub classes of system software. (03 marks)

.....

.....

.....

(c). Distinguish between application software and system software. (01 mark)

.....

.....

.....

.....

.....

16. State one function of the each of the following in relation to data processing.

(a). Space bar. (01 mark)

.....

.....

(b). Enter key. (01 mark)

.....

.....

(c). Scroll bar. (01 mark)

.....

.....

(d). Save. (01 mark)

.....

.....

(e). Character map. (01 mark)

.....
.....

17.(a). State two advantages of mail-merge as used in a word processor. (02 marks)

.....
.....

(b). Mention two functions of a mouse. (02 marks)

.....
.....

(c). Distinguish between clicking and dragging as used in relation to mouse operation. (01 mark)

.....
.....

18. (a). Give the difference between a workbook and a worksheet. (01 mark)

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

(b). State any two data types stored in a spreadsheet. (02 marks)

.....
.....

(c). Mention two advantages of using an electronic spreadsheet program over a manually generated spreadsheet. (02 marks)

.....
.....

19.(a). Define the term 'digital divide'. (01 mark)

.....
.....

(b). State two I T is used at home to enhance learning. (02 marks)

(c). Mention two ways IT is of a disadvantage to learning. (02 marks)

20. Use the following table to answer the questions below:

Item	Computer A	Computer B
OS	Windows XP	Ubuntu
Hard drive	500 GB	1 TB
CPU	900 Mhz - 2 Duo Core	2.4 Ghz -
Network	Cable – NIC	WiFi
System type	32 bit OS	64 it OS

(a). Which computer type is good for screen multi-colour output? (01 mark)

(b). Which computer type is fast and why? (01 mark)

(c). Which computer type is good for UTP networking media? (01 mark)

(d). Which computer type is not disturbed by viruses? (01 mark)

(e).which computer type has the smallest hard disk space? (01 mark)

WISHING YOU happy K-Mass HOLIDAYS!

HOWEVER DIFFICULT LIFE

MAY SEEM, THERE IS

ALWAYS SOMETHING YOU

CAN DO AND SUCCEED AT.