SOROTI SECONDARY SCHOOL
DEPARTMENT OF INFORMATION AND COMMUNICATION TECHNOLOGY
S850/1(Theory) U.A.C.E SEMINAR GUIDE QUESTIONS 2022
<u>TOPIC: INTRODUCTION TO COMPUTING [S.6 ARTS]</u>

1. Define the term computer?
2. Identify any three characteristics of modern computers?
3. Suggest three measures that can be applied to improve on the speed and performance of a computer?
4. Name two icons commonly found on the desktop computers?
5. State two differences between data and information?
6. Identify any three types of data that can be transmitted by a Smartphone?
7. Illustrate the information processing cycle?
8. What is Information and Communication Technology (ICT)?
9. Outline the negative impact of ICT on the Economic sector and Social sector?
10. Identify the uses of ICT in business, education, health, and home?
11. (a)Explain any three negative implications of social media websites. (b) Identify any two examples of social media websites?
12. Identify five business opportunities in small and medium enterprises on earning with ICTs in the society?

<u>TOPIC: COMPUTER MANAGEMENT [S.6 SCI ONE]</u>

1. Describe the booting process of a computer?
2. Distinguish between cold booting and warm booting?
3. Distinguish between a file and a folder?
4. Give two reasons why file management is important in computer management?
5. List three operations that can be performed on a file?
6. Define the term file extension?
7. Identify the steps involved in creating a folder on a desktop?
8. Consider the file path "E:\2022 and Previous\ICT\ICT-Papers.rar". If you create a subfolder called exams in ICT and then drags the file ICT-Papers.rar into exams. What would the new file path look like?
9. Distinguish between utility and application software?
10. Give five examples of utility software and their functions?

<u>TOPIC: COMPUTER LABARATORY CARE AND MAINTENANCE [S.6 SCI TWO]</u>

1. Describe the term computer literacy?

2. Give three computer laboratory rules and regulations that may help protect computer hardware.
3. Explain the importance of servicing and maintenance of computers?
4. Suggest any three activities involved in servicing and maintenance of computers?
5. Explain the term troubleshooting as used in computers?
6. State three ways in which one can troubleshoot a computer that has failed to start?
7. Name one tool used to remove dust from a computer?
8. Give reasons why one would require the following in the computer laboratory: (i) Uninterruptible Power Supply (ii) LCD Projector?

TOPIC: COMPUTER WORD PROCESSING [S.6 ARTS]

1. Consider the text below;

> Philippians 1:6 Holy Bible Version
> 6 And am sure of this that he who began a good work in you will bring it to completion at the day of Jesus Christ

   a. Which office application program is the most suitable for entering the above text into a computer
   b. List any four features of the above application that can be used to emphasize the text

2. Chose the correct terms to complete the statements(a) to (e)
   Rename, bookmark, merge, cursor, watermark, mail merge, pointer, indent.
a. The feature that allows duplication of a document with unique address is…………
b. The feature that starts a line of text further from the margin is…………
c. A background feature in a document is referred to as………
d. The feature that assigns a name to a specific point in a document is called……….
e. A symbol on the screen that indicates an insertion point in a document is a…….

3.   Explain the following tools as applied in word processing:

 a. Caption   d. spell checker

 b. Footnote   e. word wrap

 c. Thesaurus

4.   Identify the keyboard short cut for performing the following operations when using word processing   software? (i) Selecting all the contents in the document. (ii) Opening the print window.

TOPIC: COMPUTER HARDWARE [S.6 SCI ONE]

1. Define the term computer hardware?
2. Storage devices are one of the categories of computer hardware. List the other three categories?
3. List four computer hardware components?
4. Name two basic input and output associated with common desktop computers?
5. Distinguish between primary storage and secondary storage?
6. Name one example of primary storage and two examples of secondary storage?
7. Write the following computer abbreviations in full; (i) CPU (ii) ALU (iii) CMOS?
8. State the role of each of the following CPU components: (i) Bus (ii) Control unit (iii) Registers?
9. (a)Identify three characteristics of non-impact printers. (b) List two examples of non-impact printers.

TOPIC: COMPUTER SOFWARE [S.6 SCI TWO]

1. What is system software?
2. Define the term Tailor-made software?
3. (a)Explain any two elements of the off-the-shelf software? (b) Give one example of the off-the-shelf software?
4. Outline any four quantities of a good application software?
5. Distinguish between system and application software?
6. Outline any five characteristics of a good computer software?
7. Briefly explain the following terms as used in software. (i)Freeware (ii) Shareware (iii) Open source (iv) Custom software (v) Off-the-self software?
8. Name two examples of an application software?
9. State three problems associated with usage of packaged applications?
10. State three types of computer software?
11. Differentiate between software version and a release?
12. Outline three functions of an operating system?
13. Name any two operating system software's?
14. Describe the following terms in programming languages: (i)Interpreters (ii)Syntax (iii)Debugging (iv) bug (v) machine language?
15. What is meant by an installer?
16. State three factors one must consider before installing a new operating system on a computer?
17. Give two reasons why a computer user may prefer using a command line interface over graphical user interface?

TOPIC: INTERNET AND WORLD WIDE WEB [S.6 ARTS]

1. What is the World Wide Web?
2. Define the term Internet traffic?

3. Show three ways in which the internet can facilitate trade and business
4. Show one way in which the internet can be a danger to, (i) Morality (ii) Labor (iii) System security (iv) Human security (v) Information?
5. Give three benefits of connecting the computers to the internet?
6. Outline two disadvantages of connecting computers to the internet?
7. State two internet based tools that support web based research?
8. Identify three things one would require in order to get connected to the internet?
9. Outline five factors which determine data transmission speeds over the internet?
10. Explain the following as applied to internet. (i)Hotspot (ii) Internet service provider (ii) Search engines?
11. Give two reasons to justify ownership of institutional websites?
12. What is a web browser?
13. Under what circumstances can someone use a Uniform Resource Locator (URL) in a web browser?

TOPIC: ELECTRONIC PRESENTATION [S.6 SCI ONE]

1) State the use of each of the following features in a presentation: (i) Slide looping (ii) Slide transition (iii) Hyperlinks?
2) Give one advantage of using the following in presentations: (i) Handouts (ii) Notes pages?
3) Name one example of presentation software?
4) Give the importance of each of the following features as used in electronic presentation; (i) Master slide (ii) Transitions?
5) Give two situations under which electronic presentation would be used?
6) State three advantages of using electronic presentation over the traditional chalk and talk?

TOPIC: DATA COMMUNICATION AND NETWORKING [S.6 SCI TWO]

1. Define the term data communication?
2. State any four requirements for setting up a computer network?
3. List five elements of data communication?
4. Define the term computer network?
5. Give three disadvantages of networking computers?
6. Outline any two uses of a server in a computer network?
7. Name three types of computer networks?
8. Differentiate between intranet and extranet?
9. Define a local Area Network(LAN)?
10. What is a data transmission media?
11. Give two examples of transmission media?

12. Name two services offered by data communication tools?
13. Differentiate between a server and a client computer?
14. What is the function of each of the following network devices; (i) Bridge (ii) Switch (iii) Router?
15. Explain each of the following giving an example in each case; (i)Simplex (ii)Half duplex (iii)Full duplex?
16. (a)List any three possible threats to data in a computer networked environment? Name any two security measures which can be used to control the threats listed in (a) above?
17. Describe the term a firewall?
18. Explain the meaning of the following terms as used in networking. (i) Virtual Private Network. (ii) Router. (ii) Network Switch?

TOPIC: ELECTRONIC PUBLICATION [S.6 ARTS]

1. Define the following terms as used in electronic publications; (i) Frame (ii) Template?
2. List any two desktop publication software?
3. Name two publications that can be designed using desktop publishing software?

TOPIC: ELECTRONIC SPREADSHEET [S.6 SCI ONE]

1. The table below shows a budget for an introduction ceremony

	A	B	C	D	E
1	Item	Unit cost	quantity	Total cost in shs	Total cost in £
2	Cultural dress	180,000	2		
3	Food	3,500	150		
4	Decoration	1,200,000	1		
5	Soda	19,000	13		
6	Mineral water	15,000	5		
7	Exchange rate of £1	4,630			

a. Which computer application was used to design the given budget?
b. Identify the cell formatting feature which was applied to contents in D1 and E1?
c. Write down the formula that would be used to compute: (i) Total cost in shillings (ii) Total cost in pounds, use the exchange rate in cell B7?
d. Give two reasons why an electronic spreadsheet application is suitable for preparing budgets?

2. The table below shows a worksheet which nabirye was working on. Use it to answer the questions that follow.

	A	B	C	D	E
1	ID Number	Name	Item 1	Item 2	
2	100000	Akello	990	34	29.1
3	100002	Nambi	660	56	11.8
4	########	Busingye	880		#DIV/0!
5			#NAME?		
6					

a. Suggest a reason why the entry in cell A4 appeared as shown. How do you rectify the error in cell A4?
b. What does the error in cell E4 mean?
c. How do you correct the error in cell C5?

3. Explain the following terms in a spreadsheet. (i)Values (ii) Labels.

4. Name a symbol used when writing functions in a spreadsheet?

TOPIC: DATABASES [S.6 SCI TWO]

1. Explain each one of the following database features. (i)Field name (ii) Field properties (iii) Data type?
2. The table below shows part of a database. Use it to answer the questions that follow

Employee No.	Name	Tel.No	Salary	No. of Months	Total pay
E227008	Betty	0774267820	$700,000	3	
E227011	Kintu	070199142	$400,000	4	

a. Write down the data types entered in the following fields. (i)Tel.No (ii) Salary.
b. Suggest a suitable primary key.
c. The formula entered in the design view to determine Total pay, which is a product of Salary and No. of months is.

3. Describe each of the following terms used in databases. (i)A table (ii) Query (iii) Data types.

TOPIC: SYSTEM SECURITY, ICT ETHICAL ISSUES AND EMERGING TECHNOLOGIES [S.6 ARTS]

1. Outline any three violation of computer ethics usage by computer users
2. Describe the term Security Vulnerability?
3. Suggest two measures that should be put in place to guard against information piracy in an organization?
4. Explain the term software piracy?

5. Write any three precautions taken to prevent software piracy?
6. Outline any three threats that a system administrator may face as a result of networking computers?
7. Suggest any two measures that the system administrator can employ to reduce the network threats?
8. State three advantages of using e-mail services over sending mail by post?
9. State two advantages of post-mail services over e-mail communication?
10. Distinguish between a hyperlink and a home page?
11. Identify three netiquette guidelines while using the internet?
12. Using the email address: wetalandrew8@gmail.com, identify what these parts stand for;
a. Wetalandrew8………………………….
b. @...
c. gmail…………………………………….
d. .com…………………………………….

12. Differentiate between IP address and Domain name?

13. Describe each of the following protocols in relation to data communication (i) Simple Mail Transfer Protocol (ii) Post Office Protocol (iii) Hypertext Transfer Protocol

14. Explain the meaning of the following features of an electronic mail. (i) Spam box. (ii) Draft. (iii) Trash.?

15. Give two advantages of using ordinary post over electronic mail?

END

"WORK AND PRAY"