GOVERNMENT OF SAMOA

Samoa National Junior Secondary Certificate

COMPUTER STUDIES

2023

QUESTION and ANSWER BOOKLET

Time allowed: 3 Hours & 10 minutes

INSTRUCTIONS

1. You have 10 minutes to read **before** you start the exam.

2. Write your **Student Education Number (SEN)** in the space provided on the top right-hand corner of this page.

3. **Answer ALL QUESTIONS.** Write your answers in the spaces provided in this booklet.

4. If you need more space, ask the Supervisor for extra paper. Write your SEN on all extra sheets used and clearly number the questions. Attach the extra sheets to the appropriate places in this booklet.

	STRANDS	Pages	Time (min)	Weighting
STRAND 1	PERSONAL COMPUTER SYSTEMS AND MANAGEMENT	2 – 7	72	40
STRAND 2	USING PERSONAL COMPUTER APPLICATIONS	8 – 12	72	40
STRAND 3	FUNDAMENTALS OF COMPUTER PROGRAMMING	13 – 16	36	20
	TOTAL		**180**	**100**

Check that this booklet contains pages 2-17 in the correct order.
HAND THIS BOOKLET TO THE SUPERVISOR AT THE END OF THE EXAMINATION.

For Questions 1 to 4, choose and write the LETTER of the correct answer in the box provided.

1. The hardware component which interacts with the software using a pointer is known as the:

   A. mouse.
   B. Microsoft Word.
   C. system unit.
   D. screen.

   SL 1

2. Which software application is used to watch movies?

   A. Microsoft Excel.
   B. Microsoft PowerPoint.
   C. Microsoft Access.
   D. Media Player.

   SL 1

3. All of these are examples of output devices except:

   A. screen.
   B. monitor.
   C. keyboard.
   D. speaker.

   SL 1
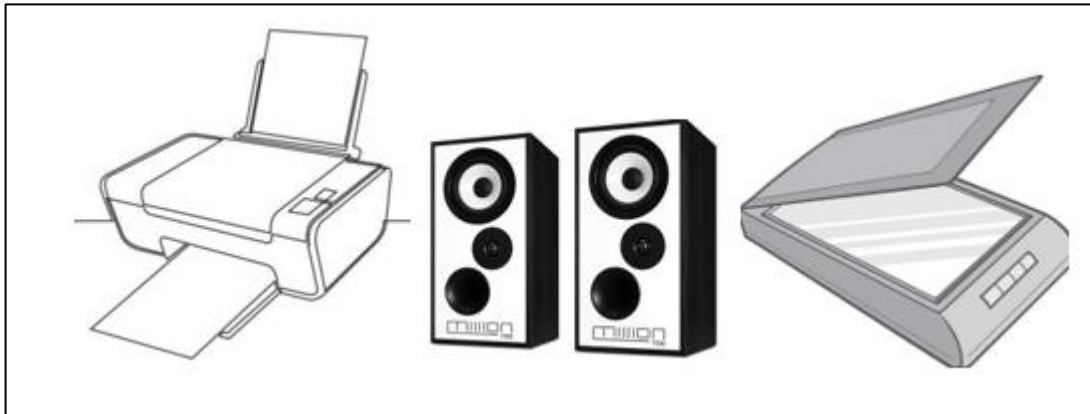
4. All of these are storage devices except:

   A. Flash drive.
   B. MS Access.
   C. CD.
   D. DVD.

   SL 1

5.	Name **TWO** Hardware components (as shown in Figure 1) that can be connected to a personal computer.

Figure 1:	**Hardware**

Component 1	
Component 2	

6.	Describe the two environmental conditions (as shown in Figure 2) that are required to maintain a computer system.

Figure 2

_____

_____

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_____

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7.   Describe the disadvantages of using the RAM.

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_____
_____
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SL 2

8.   Describe **TWO** disadvantages of disk storage.

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_____
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_____

SL 2

9.   Define GUI.

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_____
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SL 2

10.   Describe the purpose of using MS Access.

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_____
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_____

SL 2

11.   Define folder.

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SL 2

12. Describe the importance of naming files with descriptive and meaningful names.

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SL 2

13. Differentiate between cold start/cold boot and warm start/warm boot.

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SL 3

14. Differentiate between a bit and a byte.

_____

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_____

SL 3

15. Explain the differences between hardware and software.

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_____

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_____

SL 3

16. Write the pathway for the file Research with the correct extension shown in Figure 3.

Figure 3

> USB DISK (D:) > Report

Name	Type
Water	Microsoft PowerPoint Presentation
Research	Microsoft Word Document

_____

_____

_____
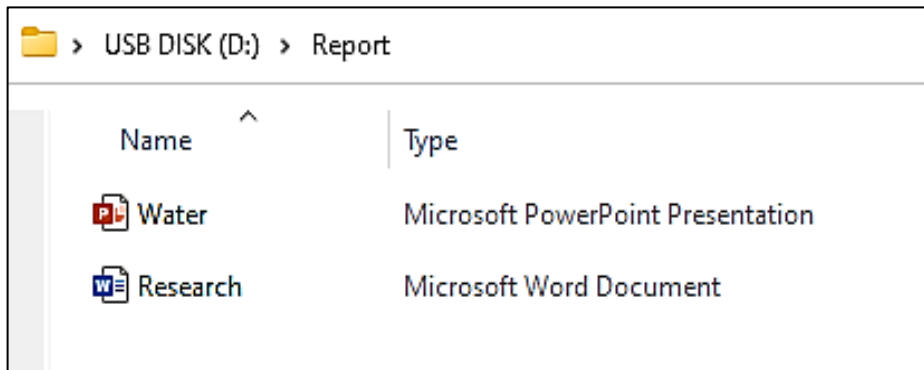
SL 3

_____

_____

_____

_____

17. Clearly draw in the box provided the hierarchy as shown in Figure 3 with the correct file extensions for each file.

SL 4

18. Identify the Root directory, Main directory, and applications for each file as shown in **Figure 3**.

Root directory		
Main directory		SL 4
Water application		
Research application		

| **STRAND 2** | **USING PERSONAL COMPUTER APPLICATIONS** | **WEIGHTING 40** |

For Questions 19 to 22, choose and write the LETTER of the correct answer in the box provided.

19.   The two types of paper orientations are:

   A.   Print Preview and Normal View.

   B.   Landscape and Escape.

   C.   Portrait and Landscape.

   D.   Bullets and Numbering.

   SL 1

20.   Sione labelled his file and saved it in his computer as **Results.xlsx**. What is the program used to create this file?

   A.   Microsoft Word

   B.   Microsoft Access

   C.   Microsoft Excel

   D.   Microsoft Power Point

   SL 1

21.   The three types of data stored in MS Excel are:

   A.   Absolute, Relative and Mixed.

   B.   Alphabetical, numerical and chronological data.

   C.   Years, dates and numbers.

   D.   Text, formula and number.

   SL 1

22.   Identify the database objects from the list below.

   A.   Flat file and SQL.

   B.   Tables and Relationships.

   C.   Row, column and cells.

   D.   Table and Report.

   SL 1

23.   Define Word Wrap or Wrap text feature and state how the text is aligned within the document when dealing with tables and images.

   _____

   _____

   _____

   SL 2

24. State at least 3 tools used to edit pictures or shapes in MS Word.

_____

_____

_____

_____

_____

SL 3

25. Apply any of the numbering format to the following texts in the box below.

| Names |
| Tests |
| Village |

SL 3

26. State the alignments applied to the texts as shown in the table below.

A	B	C
Yellow	Green	Blue
Purple	White	Red
Orange	Violet	Grey

Column A	
Column B	
Column C	

SL 3

27. State at least 2 spreadsheet programs.

(i) _____

(ii) _____

SL 2

28. Explain the error known as **#DIV/0!**

_____

_____

_____

SL 2

29. If the data in Figure 4 is sorted in descending order by cost, what will be the first Item on the list and which column was used for sorting?

Figure 4

	A	B	C
1			
2			
3	Item	Quantity	Cost
4	Onion	3	$ 3.20
5	Flour	8	$ 4.50
6	Cucumber	1	$ 10.40

Item	
Column	

30. Explain the advantage of using the spreadsheet.

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_____

31. Write the formula to calculate the Total GST column E7 in Figure 5.

Figure 5

	A	B	C	D	E	F
1	Client	Model	Color	Price	GST	Selling Price
2	Toma	S10 plus	black	$1,900.00	$ 475.00	$ 2,375.00
3	Sione	Iphone 11	white	$2,100.00	$ 525.00	$ 2,625.00
4	Ruta	Oppo A57	silver	$ 955.00	$ 238.75	$ 1,193.75
5	Eseta	Samsung J	blue	$ 199.00	$ 49.75	$ 248.75
6		tax	0.25			
7			Total	$5,154.00	$1,288.50	$ 6,442.50
8						

32. Define Flat File database.

_____
_____
_____

33. Explain a Query.

_____
_____
_____
_____
_____
_____

34. Explain a Report.

_____
_____
_____
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Use Figure 6 to answer Question 35.

Figure 6

ActorID	FirstName	LastName	Gender	Country
AH100007	Anne	Hathaway	F	USA
AP100019	Anna	Paquin	F	Canada
BA100009	Ben	Affleck	M	USA
BB100015	Benjamin	Bratt	M	USA
BF100004	Brendan	Fraser	M	Canada
BR101010	Brat	Pitt	M	Canadian
DC100006	Daniel	Craig	M	England
DJ100002	Dwayne	Johnson	M	USA

35.   Create a query that will show **only** the **First Names** of the **Males** from **USA and in Ascending order by Last Names**. Fill in the correct criteria in the table **(Table 1).**

Table 1:

Field:	ActorID	FirstName	LastName	Gender	Country
Table:	Actor	Actor	Actor	Actor	Actor
Sort:	☐	☐	☐	☐	☐
Show:					
Criteria:					

SL 4

For Questions 36 and 37, choose and write the LETTER of the correct answer in the box provided.
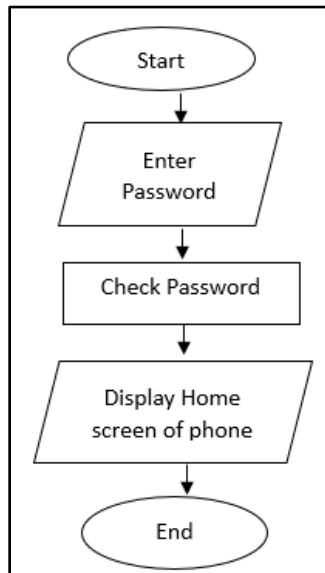
36.   An example of a Computer Programming Language is:

     A.   Java.

     B.   Tablet.

     C.   Personal Computer.

     D.   Short Text.

	SL 1

37.   Name the task shown in Figure 7 Flow Chart:

<u>**Figure 7**</u>

     A.   Log in to a computer.

     B.   Unlock a phone.

     C.   Making a cup of coffee.

     D.   Adding two numbers.

	SL 1

38. Organize these steps in the correct order for the given task.

End, add 2 and 3, display sum, enter 2 and 3, Start

1.	
2.	
3.	
4.	
5.	

SL 2

39. Define algorithms.

_____

_____

_____

_____

SL 2

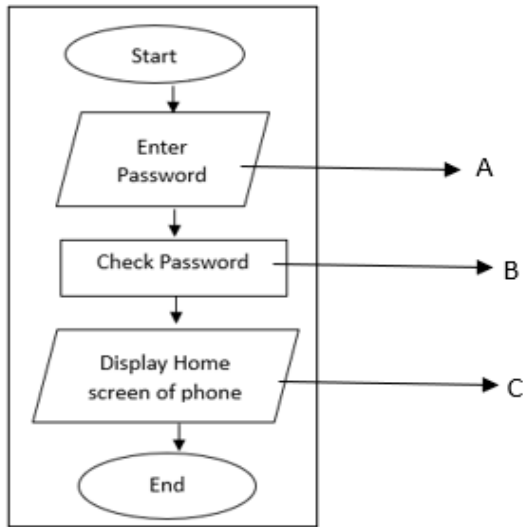40. Explain the role of a Computer Programmer.

_____

_____

_____

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_____

SL 3

41. Explain and identify the different stages (shapes) of the flow chart labelled A, B, C (Figure 8)

Figure 8

A	
B	
C	

SL 3

42. Given the problem 3*15=45. Explain the steps on how the user would go about in solving this in terms of input, process and output.

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SL 4

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43.   Draw the flowchart for the given task in Question 42.

SL 4

STUDENT EDUCATION NUMBER

SNJSC COMPUTER STUDIES

2023

(For Scorers only)

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TOTAL		**100**			