



GOVERNMENT OF SAMOA

STUDENT EDUCATION NUMBER									

Samoa Secondary Leaving 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	60	30
STRAND 2	FUNDAMENTALS OF COMPUTER PROGRAMMING	8 – 9	40	10
STRAND 3	USING PERSONAL COMPUTER APPLICATIONS	10 – 21	80	60
TOTAL			180	100

Check that this booklet contains pages 2-21 in the correct order and none of these pages are blank.

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. Name the component inside the desktop computer box (Figure 1) which is used for permanent storage of data *inside* the computer.

- A. Flash drive
- B. Motherboard
- C. Hard disk drive
- D. Video Card



Figure 1

SL 1

2. Identify from the following a basic function of the computer’s operating system.

- A. User interface.
- B. Network Management.
- C. Central Processing Unit.
- D. A and B are correct.

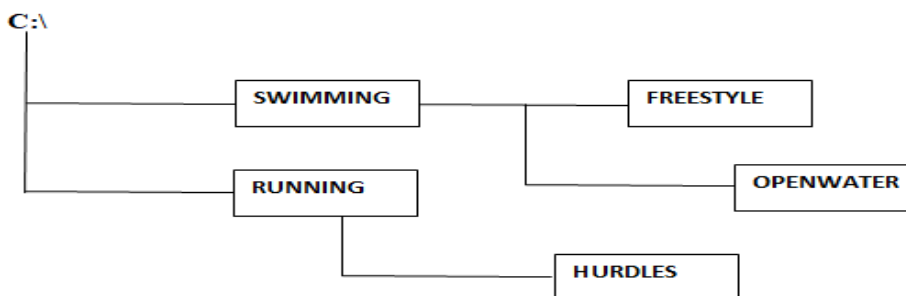
SL 1

3. Nani saved her file under the name *Princess.xlsx*. Name the program with which Nani’s file can be opened.

- A. MS Excel
- B. MS Word
- C. MS PowerPoint
- D. MS Access

SL 1

Figure 2



7. Agatha wanted to create a file to store her test results. She used the SAVE option to create her file. EXPLAIN this concept of using the SAVE option.

SL 2

8. Identify **TWO** of the functions of the computer's operating system from the following list:

- Memory Management
- Central Processing Management
- Input Device
- Device Management
- Desktop Management

1. _____
2. _____


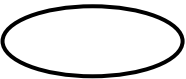
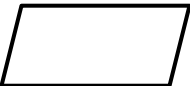
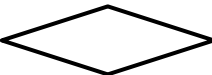
SL 2

9. Explain the basic functions of RAM and ROM.

SL 3

For Question 15, choose and write the LETTER of the correct answer in the box provided.

15. Identify the symbol to indicate decision-making that needs to be executed in a computer program.

- A. 
- B. 
- C. 
- D. 

	SL 1

16. List any **TWO** features of good computer programs.

1. _____

2. _____

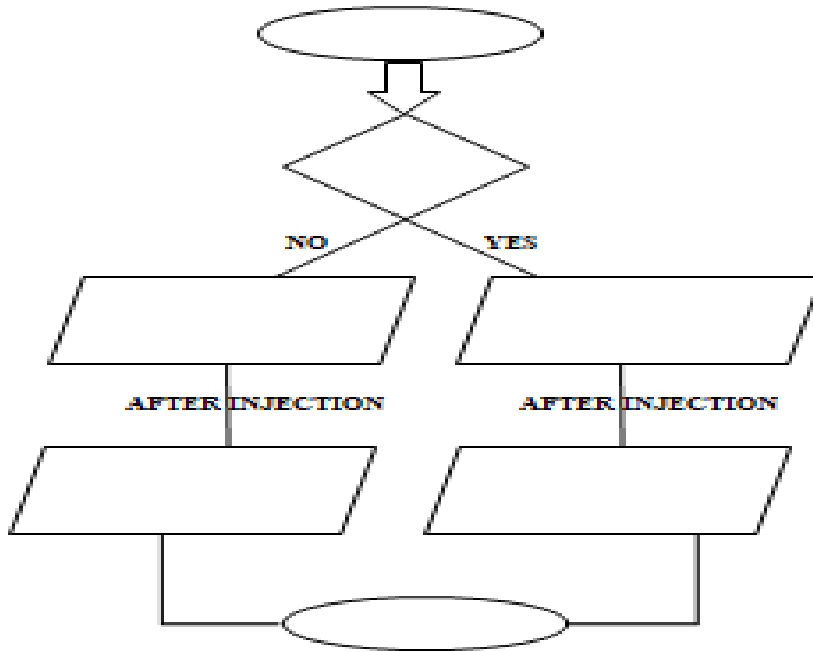
SL 2

17. Sarah wanted to write a program code to store information about people coming into the hospital to do their vaccinations for COVID-19.

1. When an individual arrives at the consultation room, he/she will be asked to show their vaccination card. ***If they provide a vaccination card***, the nurse ***inputs*** these details and the individual prepares for the ***second dose***.
2. ***If an individual has no vaccination card***, the nurse ***inputs*** the details and the individual prepares for the ***first dose***.
3. ***After the individual has received the injection***, the nurse ***inputs*** the details to confirm the individual has taken either dose 1 or dose 2.

Complete the flowchart to guide Sarah in her coding of the problem by filling in the correct processes in Figure 3.

Figure 3



SL 3

18. Write a suitable algorithm to produce the required solution to Sarah’s problem in Question 17.

SL 4

For Questions 19 to 30, choose and write the LETTER of the correct answer in the box provided.

19. Which of the following is **NOT** a principle of word processing?

- A. Applying formulas.
- B. Creating documents.
- C. Editing documents.
- D. Formatting documents.

SL 1

20. The use of this command button  is to:



- A. place texts in a textbox.
- B. place texts on the bottom of every page.
- C. place texts on the top of every page.
- D. place texts on the left side of the document.

SL 1

21. The two types of page orientations when printing a document are:

- A. Left and Right alignment.
- B. Portrait and Landscape.
- C. Horizontal and Vertical alignment.
- D. Copy and Paste.

SL 1

Figure 4a

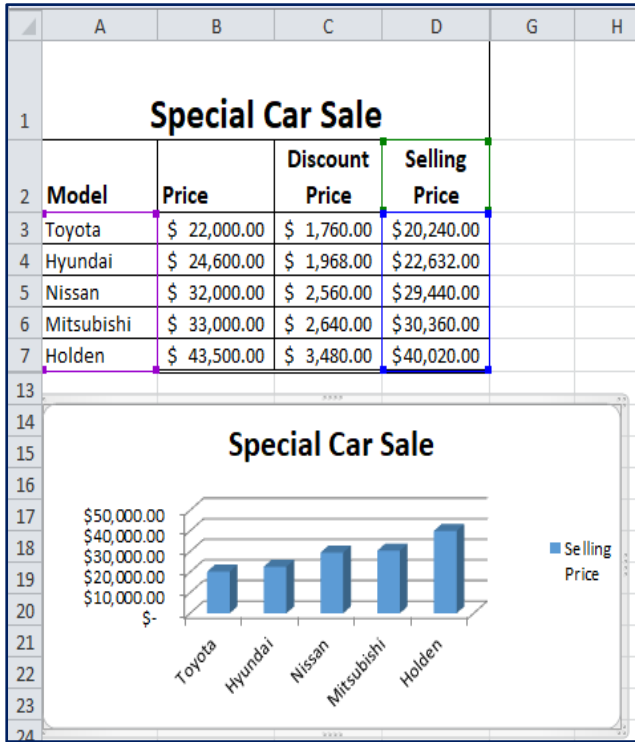
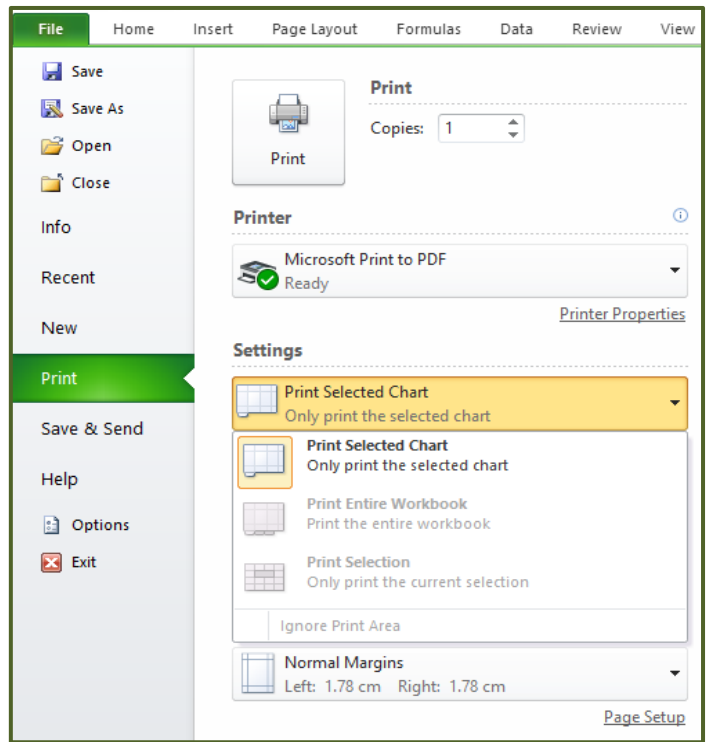


Figure 4b



22. Hased wanted to print only the graph from his document in Figure 4a. What will be the Print **Settings** options in Figure 4b that he should select?

- A. Print
- B. Print Selection
- C. Print Selected Chart
- D. Print Entire Worksheet



SL 1

Figure 5

	A	B	C	D
1	Year 13 Assessment Test 1 Computing			
2			Test 1 /50	
3	Firstname	Lastname	Raw Marks	10%
4	Princess	Preely	50	10.0%
5	Armor	Lani	25	
6	Pider	Man	45	
7	Pam Pam	Birdie	48	
8	Masta	Rasta	35	
9	TOTAL MARKS			

Use Figure 5 to answer Questions 23 to 25.

23. Using **cell referencing**, what will be the formula to calculate the percentage (%) of raw marks for student Princess Preely in Cell D4?

- A. =C4/50*D3
- B. =C4/50*\$D\$3
- C. =50/50*10
- D. A and B are correct.

	SL 1

24. When sorting the data in Figure 5 in **Descending Order of Test 1/50 Raw Marks**, which of the following will be correct?

- A. Princess Preely will be first.
- B. Pam Pam Birdy will be third.
- C. Masta Rasta will be second.
- D. Pider Man will be fifth.

	SL 1

25. What will be the formula to calculate the **TOTAL** of Raw Marks in cell C9?

- A. =ADD(C4:C8)
- B. =C4+C5+C6+C7 +C8
- C. =SUM(C4:C8)
- D. B and C are correct.

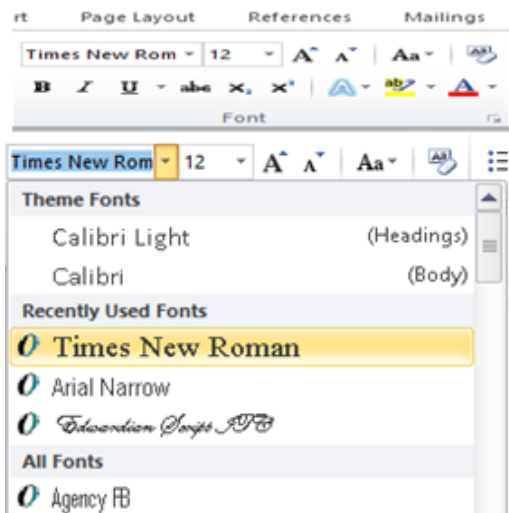
	SL 1

26. Which of the following is a **cell type** of MS Excel?

- A. Boolean
- B. Date/Time
- C. Formula
- D. Input Mask

	SL 1

Figure 6



27. What is the correct font type and font size selected for the document in Figure 6?

	Font Type	Font Size
A.	Calibri Light	12
B.	All Fonts	12
C.	Arial Narrow	10
D.	Times New Roman	12





SL 1

28. What is the best field type to assign to a database field to store the **Birthdays** of people?

- A. Date/Time
- B. Date of Birth
- C. DOB
- D. Birthdate

SL 1

29. Select the correct database file from the following.

- A.  Birthdays
- B.  Fundraising
- C.  Shopping
- D.  Budget

SL 1

32. Fill in the blanks with the following words:

Spell Checker, Thesaurus, Dictionary

1. To check the meaning of a word _____
2. To check the grammar in a sentence _____
3. To check for similar or opposite words _____

SL 3

33. List **TWO** principles of word processing.

1. _____
2. _____

SL 2

34. List the use of command buttons below:





SL 2

35. List any **TWO** of the cell types in an Excel spreadsheet.

1. _____
2. _____

SL 2

Figure 8

	A	B	C	D	E	F	G
1	Special Car Sale				Special Discount	8%	
2	Model	Price	Discount Price	Selling Price	Comment		
3	Toyota	\$ 22,000.00	\$ 1,760.00	\$ 20,240.00	Best Deal		
4	Hyundai	\$ 24,600.00	\$ 1,968.00	\$ 22,632.00	Best Deal		
5	Nissan	\$ 32,000.00	\$ 2,560.00	\$ 29,440.00	Best Deal		
6	Mitsubishi	\$ 33,000.00	\$ 2,640.00	\$ 30,360.00	Not Bad		
7	Holden	\$ 43,500.00	\$ 3,480.00	\$ 40,020.00	Not Bad		
8	Total						
9	Cheapest						
10	Expensive						
11	Average						
12	Count						

36. Fill in the correct FUNCTION for the following cells according to the spreadsheet in Figure 8.

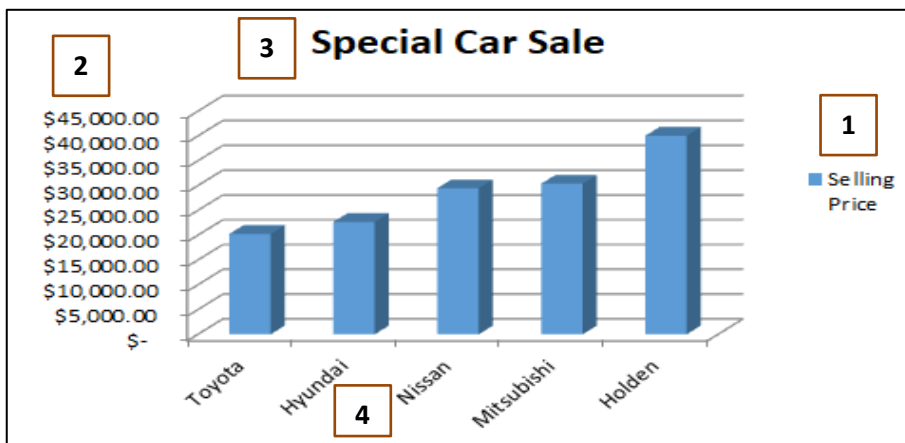
B8 _____

B9 _____

B10 _____

SL 3

Figure 9



37. Fill in the appropriate labels for the chart in Figure 9.

1. _____

2. _____

3. _____

4. _____

SL 4

Figure 11

SEN #	First Name	Last Name	DOB	Place of Birth	Adress	Gender	Religion
10845	Perive	Salesa	5 Feb 2001	Motootua	Leauvaa	F	AOG
10846	Tuilele	Tupu	11 Mar 2000	Motootua	Faleasiu	M	Methodist
10847	Esetaruta	Tavita	7 Feb 2001	Motootua	Faleula	F	Methodist
10848	Angel	Mose	11 Aug 2001	Motootua	Vaitele tai	F	AOG
10849	Lesina	Matagi	19 Apr 2000	Motootua	Fugalei	F	Catholics
10850	Oakland	Luatua	20 Jan 2001	Motootua	Faatoia	M	EFKS
10851	Fialelei	Sapau	17 Jul 2000	Motootua	Tuanai	M	AOG
10852	Anamaria	Ula	6 Aug 2001	Motootua	Tufulele	F	Methodist
10853	Saoao	Taupau	28 Aug 2000	Motootua	Faleasiu	M	Methodist
10854	Ituniu	Vainuupo	31 Mar 2001	Motootua	Leauvaa	F	Methodist
10855	Vaitapu	Solia	29 Jan 2001	Motootua	Saleimoa	M	Catholics
*	0						

43. Assign the appropriate data types of the following fields from Figure 11.

SEN# _____

DOB _____

SL 2

44. Write in the table below the output of the following SQL query using Figure 11 above.

```
SELECT First Name, Gender, Religion
FROM Student Table
WHERE Religion = 'Catholics';
```

First Name	Gender	Religion

SL 2

45. Fill in the correct fields in the spaces of Query Design View (Figure 12) to display SEN#, First Name, Last Name and Gender for all **Female** Students from Figure 11.

Figure 12

Student Table	
•	
🔑	SEN #
	First Name
	Last Name
	DOB
	Place of Birth
	Adress
	Gender
	Religion

SL 4

Field:					
Table:					
Sort:					
Show:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Criteria:					
or:					

46. Ainsley wanted to create the database table in Figure 11 using Table Design View. Complete the table below with the necessary data types and field properties of the fields listed.

Fieldname	Data Type	Field Properties
First Name		
DOB		
Gender		

SL 4

STUDENT EDUCATION NUMBER									

SSLC COMPUTER STUDIES

2023

(For Scorers only)

STRANDS		Weighting	Scores	Check Scorer	AED Check
STRAND 1	Personal Computer Systems and Management	30			
STRAND 2	Fundamentals Of Computer Programming	10			
STRAND 3	Using Personal Computer Applications	60			
TOTAL		100			