



MINISTRY OF EDUCATION & CULTURE

| STUDENT EDUCATION NUMBER | | | | | | | | | |
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Samoa Secondary Leaving Certificate

COMPUTER STUDIES

2025

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 | 40 |
| STRAND 2 | USING PERSONAL COMPUTER APPLICATIONS | 8-16 | 40 | 40 |
| STRAND 3 | FUNDAMENTALS OF COMPUTER PROGRAMMING | 17-20 | 80 | 20 |
| 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. Glory created a file on the computer and saved it under the filename *lighting.xlsx*.
Which program can Glory use to open her file?

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

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| SL 1 |
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2. Name an application software from the following choices.

- A. Windows 10
- B. Keyboard
- C. Laptop
- D. MS Excel

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| SL 1 |
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3. All of the following are examples of basic elements of the Graphical User Interface (GUI) except one.

Which **ONE** is this element? Select from the choices provided.

- A. Command buttons
- B. Checkboxes
- C. Hard drive
- D. Menu bars

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| SL 1 |
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4. One of the following is **NOT** a component found inside the desktop computer box.
Select from the choices provided.

- A. Power supply
- B. Hard disk drive
- C. Cooling fan
- D. Keyboard

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| SL 1 |
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7. A printer is a peripheral device which can be attached to the computer system.
Describe the role of a printer.

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| SL 2 |
| |

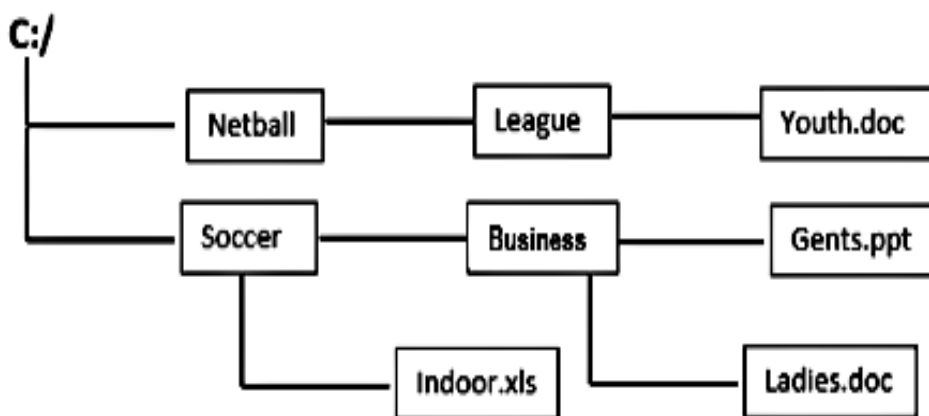


Figure 2

8. Write the pathways of the following file and folder from the Hierarchy in Figure 2.

(i) Netball _____

(ii) Indoor.xls _____

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| SL 2 |
| |

9. Describe the file naming principle of the filename *Indoors.xls*

| |
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| SL 2 |
| |

10. Explain legal issues.

| |
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| SL 3 |
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11. List 2 examples of an application software.

- 1. _____
- 2. _____

| |
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| SL 2 |
| |

12. June created an essay on the computer and she wanted to keep a copy of her file by saving it using the **SAVE** option.

Explain the idea of using this SAVE option to create June’s file.

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| SL 2 |
| |

13. Explain the relationship between ASCII codes and binary numbers.

| |
|------|
| SL 3 |
| |

14. Explain the basic function of the Hard Disk Drive.

| |
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| SL 3 |
| |

15. Describe 2 peripheral devices that can be connected to the computer.

| |
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| SL 2 |
| |

16. Describe the purpose of RAM in the processing of information.

| |
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| SL 2 |
| |

17. Explain the difference between hardware and software.

| |
|------|
| SL 3 |
| |

| | A | B |
|---|----------|------------|
| 1 | Students | Marks /100 |
| 2 | June | 68 |
| 3 | Sam | 75 |
| 4 | Foaina | 94 |
| 5 | TOTAL | |

Figure 3

18. Discuss the use of the application software in Figure 3 to calculate the TOTAL marks for students.

| |
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| SL 4 |
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For Questions 19 to 22, choose and write the LETTER of the correct answer in the box provided.



Figure 4

19. Name the bullet setting alignment that is set on the ruler in Figure 4.

- A. Left tab
- B. Right tab
- C. Justified tab
- D. Decimal tab

| |
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| SL 1 |
| |

20. MS Excel offers several types of graphs that one can use to present data graphically in a spreadsheet. Only **ONE** is listed in the following choices. Select that correct choice.

- A. Line graph
- B. Light graph
- C. Round graph
- D. Picture graph

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| SL 1 |
| |

21. What are the two types of **page orientation** that can be applied when printing documents on the computer?

- A. Copy and Paste
- B. Bold and Italic
- C. Find and Select
- D. Landscape and Portrait

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| SL 1 |
| |

22. Sara wanted to create a database field called 'Birthdate' to store birthdays on her database.

What will be an appropriate data type for this field?

- A. Birthday
- B. Dateofbirth
- C. Date/Time
- D. Date

| |
|------|
| SL 1 |
| |



Figure 5

25. Identify the 3 types of page formats applied to the document in Figure 5.

1. _____
2. _____
3. _____

| |
|------|
| SL 3 |
| |

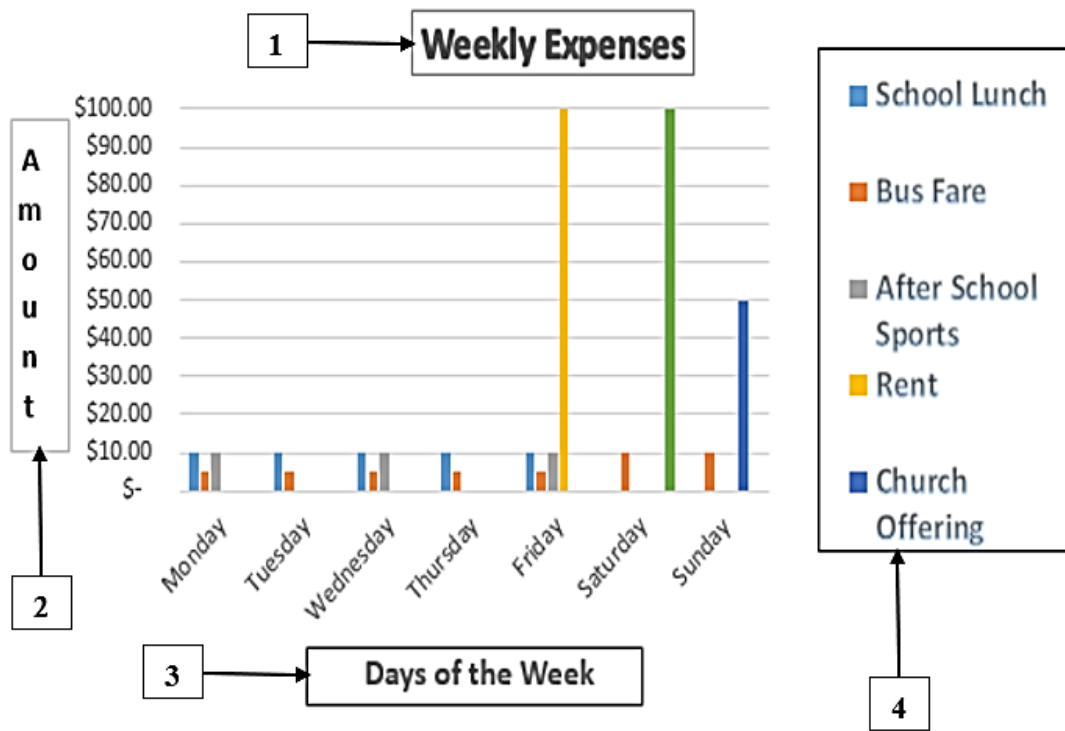


Figure 6

26. Fill in the appropriate labels for the graph in Figure 6.

1. _____
2. _____
3. _____
4. _____

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| SL 4 |
| |

Use Figure 7 to answer Questions 27 to 29.

| | A | B | C | D | E | F | G | H | I | J | |
|----|---|---|---|------------------------------------|----------|--------------|---------------|---------------|-----------------|---|--|
| 30 | | | | | | | | | | | |
| 31 | | | | Year 13 Manono Canteen Fundraising | | | | | | | |
| 32 | | | | | Quantity | Selling Cost | Quantity Sold | Income Earned | Profit or Loss? | | |
| 33 | | | | Cupcakes | 100 | \$ 2.00 | 100 | \$ 200.00 | PROFIT | | |
| 34 | | | | Meat Pies | 50 | \$ 5.00 | 30 | \$ 150.00 | | | |
| 35 | | | | Hot Dogs | 60 | \$ 3.00 | 40 | \$ 120.00 | | | |
| 36 | | | | Tuna Sandwiches | 50 | \$ 2.00 | 50 | \$ 100.00 | | | |
| 37 | | | | Egg Sandwiches | 50 | \$ 3.00 | 35 | \$ 105.00 | | | |
| 38 | | | | TOTAL | | | | | | | |
| 39 | | | | | | | | | | | |

Figure 7

27. List the **cell types** of the following cells:

1. F33 _____
2. D37 _____

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| SL 2 |
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28. Study the nature of the data in cell I33 and list the **spreadsheet function** used to calculate the value in this cell.

| |
|------|
| SL 2 |
| |

29. List the result of the first row if the spreadsheet is sorted to display the lowest **'Income Earned.'**

| Year 13 Manono Canteen Fundraising | | | | | |
|------------------------------------|----------|--------------|---------------|---------------|-----------------|
| | Quantity | Selling Cost | Quantity Sold | Income Earned | Profit or Loss? |
| | | | | | |

| |
|------|
| SL 3 |
| |

Use Figure 8 to answer Questions 30 (a) to 30 (c).

| Class Fund | | | |
|------------|--|--|--|
| | | | |
| | | | |
| | | | |

Figure 8

30. (a) How many rows in the table in Figure 8?

- (b) How many columns in the table in Figure 8?

- (c) Identify the type of format applied to the cells displaying the text 'Class Fund'

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| SL 3 |
| |

| address_id | street | city | state | zip_code |
|------------|-------------------------|-----------------|-------|----------|
| 1 | 807 Grandrose Ave. | Yonkers | NY | 10701 |
| 2 | 26 Market Drive | Forest Hills | NY | 11375 |
| 3 | 60 Myers Dr. | Amityville | NY | 11701 |
| 4 | 9782 Indian Spring Lane | Harlingen | TX | 78552 |
| 5 | 167 James St. | Los Banos | CA | 93635 |
| 6 | 755 East Henry Lane | Central Islip | NY | 11722 |
| 7 | 8165 Baker Ave. | Franklin Square | NY | 11010 |
| 8 | 669 S. Gartner Street | San Pablo | CA | 94806 |
| 9 | 683 West Kirkland Dr. | East Northport | NY | 11731 |
| 10 | 684 Westport Drive | Ballston Spa | NY | 12020 |
| 11 | 720 Thompson Lane | Rego Park | NY | 11374 |
| 12 | 973 Yukon Avenue | Encino | CA | 91316 |
| 13 | 55 Cambridge Street | Plainview | NY | 11803 |

Figure 9

31. Name the appropriate data types assigned to the following database fields from Figure 9.

1. state _____
2. address_id _____

| |
|------|
| SL 2 |
| |

32. Write the output of the following SQL query on the table in Figure 9 using the table provided.

```
SELECT *
FROM Customers
WHERE state = 'CA';
```

| address_id | street | city | state | zip_code |
|------------|--------|------|-------|----------|
| | | | | |
| | | | | |
| | | | | |
| | | | | |

| |
|------|
| SL 2 |
| |

33. What is the difference between a Database Management System and a Database file?

| |
|------|
| SL 3 |
| |

| Sales_Amount |
|--------------|
| 13540 |
| 10600 |
| 9700 |
| 11560 |
| 2590 |
| 8800 |

Figure 10

| TOTAL_SALES |
|-------------|
| 56790 |

Figure 11

34. Write an SQL query to apply the correct function to **ADD** Sales_Amount in Figure 10 and display as TOTAL_SALES as shown in Figure 11.

| |
|------|
| SL 3 |
| |

35. Explain the advantages of using a database.

| |
|------|
| SL 3 |
| |




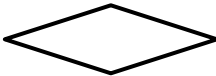
For Questions 36 and 37, choose and write the LETTER of the correct answer in the box provided.

36. April wanted to create a variable to store people’s names in her JAVA program code.
What will be the appropriate data type to assign to this variable?

- A. String
- B. Double
- C. Char
- D. Int

| |
|------|
| SL 1 |
| |

37. Identify the symbol to indicate a condition in a logical flowchart.

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

| |
|------|
| SL 1 |
| |

38. List 2 features of good computer programs.

1. _____
2. _____

| |
|------|
| SL 2 |
| |

Connor wanted to write a program to *calculate the sum of 2 numbers*.

In order for Connor to write the program code, he will have to outline how his program will achieve the anticipated solution by drawing a simple flowchart. The following are the lists of tasks anticipated by the problem that will guide Connor in writing his flowchart and eventually his program code.

1. Program STARTS
2. The program ASSIGNS DATATYPES to 3 variables – x, y and SUM to store values needed for the calculations of SUM.
3. The values for x and y are INPUTTED.
4. The program performs the calculation by using a formula to calculate the SUM.
5. OUTPUT SUM.

Figure 12

39. Assign appropriate data types to x and y for Connor's program in Figure 12.

x _____

y _____

| |
|------|
| SL 2 |
| |

40. Draw a simple flowchart using the appropriate shapes to present the given programming problem in Figure 12.



| |
|------|
| SL 3 |
| |

41. Write a suitable algorithm to produce the solution for Connor's problem in Figure 12.

| |
|------|
| SL 3 |
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SSLC COMPUTER STUDIES

2025

(For Scorers only)

| STRANDS | | Weighting | Scores | Check Scorer | AED Check |
|-----------------|--|-----------|--------|--------------|-----------|
| STRAND 1 | Personal Computer Systems and Management | 40 | | | |
| STRAND 2 | Using Personal computer application | 40 | | | |
| STRAND 3 | Fundamentals of Computer Programming | 20 | | | |
| TOTAL | | 100 | | | |