



## Samoa Secondary Leaving Certificate

# **COMPUTER STUDIES**

## 2019

### **QUESTION and ANSWER BOOKLET**

Time allowed: 3 Hours & 10 minutes

#### **INSTRUCTIONS**

- 1. You have 10 minutes to read **before** you start the exam.
- 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 at the appropriate places in this booklet.

	CURRICULUM STRANDS	Page	Time (min)	Weighting
STRAND 1:	PERSONAL COMPUTERS SYSTEMS AND MANAGEMENT	2	54	30
STRAND 2:	FUNDAMENTALS OF COMPUTER PROGRAMMING	6	45	10
STRAND 3:	USING PERSONAL COMPUTER APPLICATION	8	81	60
	TOTAL		180	100

Check that this booklet contains pages 2-18 in the correct order and that none of these pages is blank.

YOU MUST HAND THIS BOOKLET TO THE SUPERVISOR AT THE END OF THE EXAMINATION

## PERSONAL COMPUTER SYSTEMS AND MANAGEMENT

Weighting 30

Figure 1



Use Figure 1 to answer Numbers 1 – 4.

Name the <i>Operating System</i> that is run on the desktop computer.	SL
Name a basic component that is <u>connected</u> to the desktop computer b	ox.
	SL:
lame a <i>periphera</i> l device.	
	SL SL
Name a component that can be <i>found inside</i> the computer box.	
	SL :

		SL 3
	raphic User Interface (GUI) elements make computer p	rograms, user
riendly.		
		SL 3
Explain the cor	scopt of <b>organiza</b> a tile by licing the <b>SAVE</b> option	
Explain the cor	ncept of <i>creating</i> a file by using the <i>SAVE</i> option.	
Explain the cor	ncept of <i>creating</i> a file by using the <i>SAVE</i> option.	SL 2
Explain the cor	ncept of <i>creating</i> a file by using the <i>SAVE</i> option.	SL 2
Explain the cor	ncept of <i>creating</i> a file by using the <i>SAVE</i> option.	SL 2
Explain the cor	ncept of <i>creating</i> a file by using the <i>SAVE</i> option.	SL 2

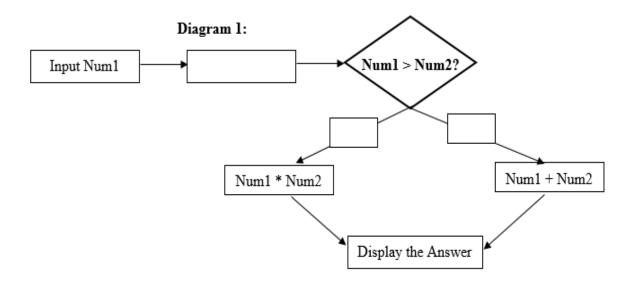
programming occos. I	Discuss the importance of programmers in the field of ICT.	
		SL
	<del>_</del>	
	<del>_</del>	
	protect computer components from computer viruses using	
		SL
Evaluate the <i>needs</i> to an antivirus program.		SL

		SL
	<del></del>	
List TWO hasic elements	s of GUI from the following:	
List 1 VV O basis ciement	3 of Cornolli the following.	
Checkboxes, Option Bu	uttons, CPU, motherboard, RAM	
1.	2	SI
Deintono ono con el torrono	duran mainta dada ayan ay ta firana tha a agamatan Dagarih a tha	
Printers are used to proc role of printers in the cor	duce <i>printed</i> documents from the computer. Describe the	
role of printers in the cor	inputer system.	
		SI

13.	Describe the	e desktop computer's operating system.	
			SL 2
			-
			_
			-
			_
STR	AND 2:	FUNDAMENTALS OF COMPUTER PROGRAMMING Weigh	nting 10
			<u>g</u>
14.	Name a feat	ure of a good computer program.	
			SL 1
		Figure 2	
		FALSE TRUE	
15.	Which function	on is indicated by the symbol    in Figure 2 above?	
			SL 1

Write the logical flow chart for the following program task: Input a number and then Input another number IF number 1 is equal to number 2 then Display "The two numbers are the same" ELSE Display "The two numbers are not the same"

SL 2



**17.** Apply the principles of logical flow chart by *filling in the blank shapes* in Diagram 1 to solve the following problem:

The user inputs Num1 then inputs Num2
Then program tests IF Num1 is greater than Num2
IF yes THEN add the two numbers OTHERWISE multiply the two numbers
Display the Answer

SL 3

		SL
RAND 3: Discuss how	USING PERSONAL COMPUTER APPLICATIONS  w acquiring word processing skills can empower people in the	Weighting 6
	USING PERSONAL COMPUTER APPLICATIONS  w acquiring word processing skills can empower people in the	
Discuss how		Weighting 6
Discuss how		

Name a principl	e of word processi	ng.			
				 	SL 1
Define proportion	onal spacing fonts.				
					SL :
				 <del></del>	
List the was of the		والمراجعة المحاسمة			
LIST THE USE OF T	nese common com	inana buttons	<b>.</b>		
В					C.
				 	SL
<u>U</u>					
Differentiate be	ween serif and sar	n serif font typ	es.		
					SL 3
				 · · · · · · · · · · · · · · · · · · ·	
·				 <del></del>	

24	List the principles of word processing	
24.	List the principles of word processing.	
		SL 2
25.	What is the concept of WYS/WYG in word processing?	
		SL 1
	<del></del>	
Use	Figure 3 to answer Numbers 26 – 28.	
	Figure 3	
	A B	
	1 1	
	2 3	
	3	
	4	
26.	Using the autofill function OR fill series (+), what will be the values of cells A3 and A4?	
	A3	SL 2
	/ \U	
	A4	

27. List the *cell types* that are available in a spreadsheet.

·\_\_\_\_

- 28. Write ONLY the SPREADSHEET FUNCTION to apply when one needs to:
  - (i) Add 1 and 3

\_\_\_\_\_\_

SL 3

SL 2

(ii) Find the Average between 1 and 3

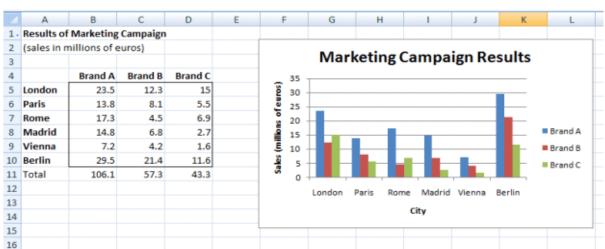
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(iii) Find out IF 1 is greater than 3

\_\_\_\_\_

#### Use Figure 4 to answer Numbers 29 – 34.

Figure 4

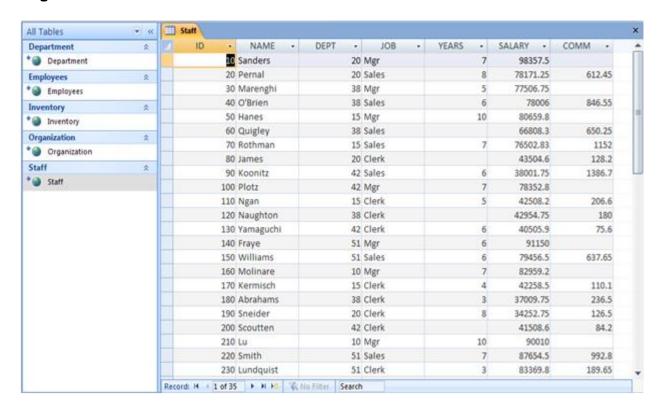


29. Name the range of cells from which the graph is built.

/i\		
(i)	x – axis	SL
(ii)	y – axis	
(iii)	Legends	_
(iv)	Title	_
Nan	ne the <i>cell type</i> of cell D11.	
		SL
Writ	e out the <i>formula</i> to calculate the total in cell B11.	
Writ	e out the <i>formula</i> to calculate the total in cell B11.	SL
Rep	e out the <i>formula</i> to calculate the total in cell B11.  eka wanted to sort the list in Figure 4 in alphabetical order of cities, which ge of cells should be highlighted?	SL
Rep	eka wanted to sort the list in Figure 4 in alphabetical order of cities, which	
Rep	eka wanted to sort the list in Figure 4 in alphabetical order of cities, which	SL SL

34.	Explain what the computer does when applying the <i>Merge and Centre</i> function to cells A1 to D1.	
		SL 3
5.	Discuss the advantages of acquiring spreadsheet skills in the employment field.	
		SL 4
	<del></del>	

Figure 5



Use Figure 5 to answer Numbers 36 - 37.

36.	What would be an appropriate <i>datatype</i> for the field <b>SALARY</b> ?	
		SL 1
37.	How many records have been entered in the table?	
		SL 1

Field:	ID	NAME	Salary	YEARS	
able:	Staff	Staff	Staff	Staff	
Sort: Show:		✓	$\square$		<b>V</b>
iteria: or:		="James"			
ID	NAM	IE Sala	ry YEA	ars	

Describe a database <i>table</i> as a collection of records (rows) and fields (columns).	
	SL 2
	-
	_
	_
	_
Describe the use of <i>validation rule</i> field property as a practical way to ensure accuracy of data entry.	
	SL 2
	_
	_
	_
Explain the advantages of using a database.	
	_ SL 3
	_
	_
	_
	_
	-

43.	Use the terms <i>row heading</i> , <i>column heading</i> , <i>function and value</i> to fill in the spaces in the following statements.			
	When creating a Crosstab Query a user must assign one		SL 4	_
	option, and one or more options, and one			
	option. A can be assigned to the value field.			
44.	Explain the importance of applying the input mask field property to ensure data integrity. Use an example of a field to which this field property can be applied.			
			SL 4	
		L		

STUDENT EDUCATION NUMBER									

### **COMPUTER STUDIES**

#### 2019

### (For Scorers only)

	CURRICULUM STRANDS	Weighting	Scores	Chief Scorer
STRAND 1:	PERSONAL COMPUTERS SYSTEMS AND MANAGEMENT	30		
STRAND 2:	FUNDAMENTALS OF COMPUTER PROGRAMMING	10		
STRAND 3:	USING PERSONAL COMPUTER APPLICATION	60		
	TOTAL	100		