

MARKER CODE				



Student Personal Identification Number				

# Solomon Islands National Form Six School Certificate

## COMPUTER STUDIES

# 2017

## QUESTIONS AND ANSWER BOOKLET

**Time Allowed: Three Hours plus 10 minutes**

### INSTRUCTIONS

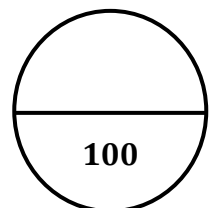
1. Answer ALL questions
2. There are TWO sections in this paper

<b>Section A - 20 Multiple Choices</b>	<b>[20 Marks]</b>
<b>Section B - 5 Short Answer Questions</b>	<b>[80 Marks]</b>

3. The answer sheet for Section A is on the fold-out back flap. This is on the last page of this booklet. Write the answers for Section B in the spaces provided in this booklet.
4. Write your Student Personal Identification Number (SPIN) on the top right hand corner of this page and on the fold-out back flap.
5. Check that this booklet contains pages 1-17 in the correct order that none of these pages is blank. Page 16 has been left blank deliberately.

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

**TOTAL MARKS**



**SECTION A: MULTIPLE CHOICE****[20 MARKS]****Answer ALL questions**

Write the LETTER of the best answer for each question in the correct box on the back flap. If you change your mind, put a line through the first answer and write your new choice beside the box.

*Each Question is worth 1 mark each*

1. Which component below used for data input to a desktop computer?
  - A. Keyboard
  - B. Monitor
  - C. Projector
  - D. Speaker
  
2. What type of operating system used in mobile/cell Phones?
  - A. Windows XP
  - B. Gaming System
  - C. Financial System
  - D. Chip-based Operating System
  
3. On a QWARTY keyboard, **RETURN** key also refers to which key?
  - A. SHIFT
  - B. ENTER
  - C. CONTROL
  - D. BACKSPACE
  
4. Identify the printer technology that uses ink for printing.
  - A. Laser
  - B. Inkjet
  - C. Impact
  - D. Ribbon
  
5. **ROM** stands for.
  - A. Read Only Memory
  - B. Random Only Memory
  - C. Read Only Motherboard
  - D. Random Access Memory

6. Which of the application is **best** use for creating graphs?
- A. Database
  - B. Spreadsheet
  - C. Word-Processing
  - D. Desktop Publishing
7. Which of the following is an element of Graphical User Interface?
- A. GUI
  - B. Speaker
  - C. Database
  - D. Menus and Toolbars
8. The file extension for a spreadsheet document is:
- A. EXE
  - B. XLS
  - C. PDF
  - D. DOC
9. An office where workers do not present together in a physical building is known as:
- A. Facebook
  - B. Virtual Office
  - C. Telecommuting
  - D. Video Conferencing
10. A \_\_\_\_\_ role is to write computer programs.
- A. Programmer
  - B. Systems Analyst
  - C. Project Manager
  - D. General Manager

11. WYSIWYG is a word-processing concept that stands for?
- A. What You See Is What You Go
  - B. What You See Is What You Get
  - C. What You See Is What You Give
  - D. What You See Is What You Gone
12. Page orientation has two properties. Identity one of the properties.
- A. Footer
  - B. Header
  - C. Margins
  - D. Landscape
13. To navigate around a spreadsheet, Use one of the following keys.
- A. F1
  - B. ALT
  - C. HOME
  - D. DELETE
14. Which of the following is a FUNCTION in Spreadsheet?
- A. SUM
  - B. Relative
  - C. Absolute
  - D. Justification
15. Managing files and worksheets in Spreadsheet involves one of the following.
- A. Copy
  - B. Count
  - C. Sorting
  - D. Preview
16. The "*What If*" analysis tool in spreadsheet includes one of the following.
- A. Chart
  - B. Graph
  - C. Sorting
  - D. Goal Seek

17. The field data type in database use to store TRUE and FALSE data is:-

- A. Date
- B. Number
- C. Boolean
- D. Percentage

18. Which of the following is a function in database query?

- A. SQL
- B. SELECT
- C. RECORD
- D. AVERAGE

19. Data Integrity in managing database files refers to:-

- A. Source of data
- B. Reliability and Accuracy of data
- C. Accuracy and Consistency of data
- D. Reliability and Consistency of data

20. The process of moving data from database application to another application is known as:-

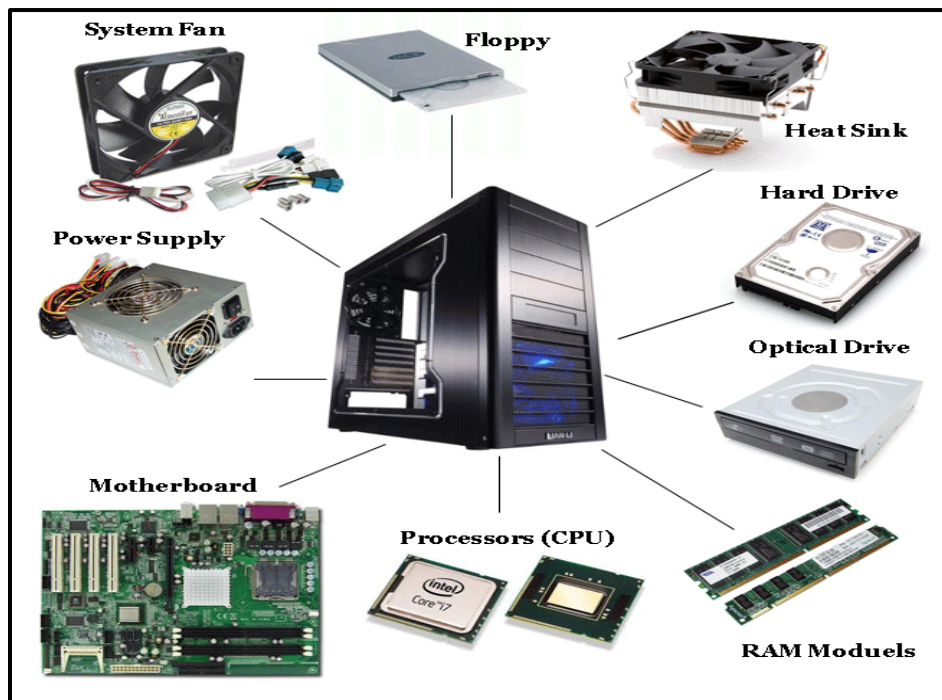
- A. Order
- B. Export
- C. Import
- D. Transfer

Answer ALL questions

## QUESTION ONE

[24 marks]

1. **Figure 1.1** below shows the main components found inside a desktop computer box. Define the role of each component listed in questions (a) and (b).



*Figure 1.1 – Desktop computer components*

- a) Motherboard \_\_\_\_\_ [2 marks]
- b) Hard Drive \_\_\_\_\_ [2 marks]
- c) What does PC stands for? \_\_\_\_\_ [1 mark]

2. Desktop computer operating systems has six (6) basic functions. Answer questions (a), (b) and (c) with regards to operating systems.

a) Describe what Processor Management is:-

---

---

[2 marks]

b) Describe what Memory Management is:-

---

---

[2 marks]

c) Give one (1) example of an operating system:

---

[1 mark]

3. During your computer studies class, you have used a computer keyboard to type your assignment and do your lab exercises. State the function of each key found on a QWERTY Keyboard.

a) SPACEBAR \_\_\_\_\_  
[1 mark]

b) DELETE \_\_\_\_\_  
[1 mark]

c) CAPS LOCK \_\_\_\_\_  
[1 mark]

d) BACKSPACE \_\_\_\_\_  
[1 mark]

e) ENTER \_\_\_\_\_  
[1 mark]

4. Print management refers to how we manage print jobs when operating a desktop computer printer. Answer questions (a) and (b) below concerning print management.

a) Discuss the difference between Print Queue and Print Job.

---

---

---

[3 marks]

b) Define the term Default Printer.

---

---

[1 mark]

5. Computers store data in memory and disk storage. Answer questions (a), (b) and (c) below concerning the technology used in memory and disk storage.

a) Discuss the differences between Volatile and Non-Volatile Memory.

---

---

[3 marks]

b) Give one (1) advantage of Volatile Memory.

---

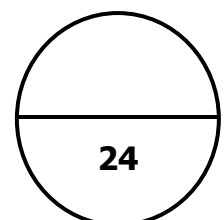
[1 mark]

c) Give one (1) advantage of Non-Volatile Memory.

---

[1 mark]

**Total mark for Q.1 :**





## QUESTION TWO

[15 marks]

1. When writing computer programs, programmers can use different programming languages available to write a program.

a) Explain what a computer program is.

\_\_\_\_\_  
\_\_\_\_\_  
[1 mark]

b) Name one (1) common programming language.

\_\_\_\_\_  
[1 mark]

GUI enable users to interact with computer in an easier and meaningful way.  
List three (3) elements of a GUI learned in your computer studies.

a) \_\_\_\_\_  
[1 mark]

b) \_\_\_\_\_  
[1 mark]

c) \_\_\_\_\_  
[1 mark]

2. There are number of operations can be performed on directories and file. Answer questions (a) and (b) with regards to file management.

a) Define the term file extension.

\_\_\_\_\_  
[1 mark]

b) Give the file extension for word document.

\_\_\_\_\_  
[1 mark]

3. As technology is growing, there are issues relating to how we access data in computer systems. Explain the difference between piracy and copyright.

---

---

---

[2 marks]

4. Briefly describe the roles of the following people in the field of information and software technology.

a) System Analyst

---

---

---

[2 marks]

b) Software Engineer

---

---

---

[2 marks]

c) Support Staff

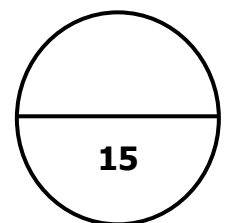
---

---

---

[2 marks]

**Total mark for Q.2 :**



### QUESTION THREE

**[8 marks]**

1. In word processing, what is the MAIN difference between a text processor and a document processor?

---

---

---

[2 marks]

2. Word functions are helpful when editing and formatting a document. Explain the TWO (2) word functions below.

a) Find

---

---

[2 marks]

b) Replace

---

---

[2 marks]

3. When formatting page in a document using word processing application. There are two (2) page properties commonly use when formatting. Explain the difference between page margins and orientation.

---

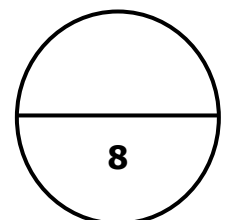
---

---

---

[2 marks]

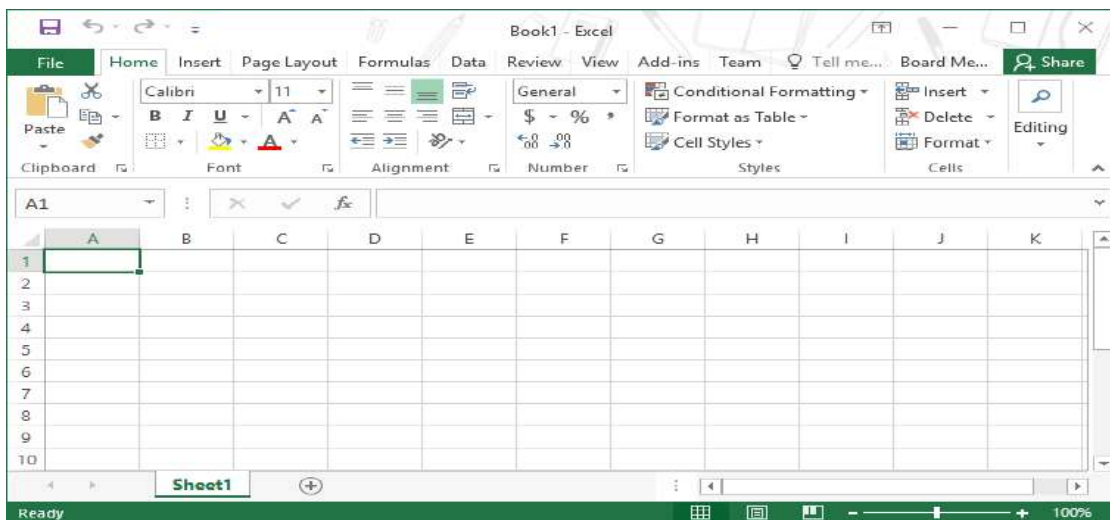
**Total mark for Q.3 :**



## QUESTION FOUR

[16 marks]

1. Spreadsheet offer a range of advantages when working with data. Explain any TWO (2) advantages of using spreadsheet.
  - a) \_\_\_\_\_ [2 marks]
  - b) \_\_\_\_\_ [2 marks]
2. There are two types of cell addressing available in spreadsheet. Explain each of the addressing types in question (a) and (b).
  - a) Absolute addressing  
\_\_\_\_\_  
\_\_\_\_\_ [2 marks]
  - b) Relative addressing  
\_\_\_\_\_  
\_\_\_\_\_ [2 marks]
3. **Figure 2.1** below shows a blank spreadsheet document. Answer questions (a), (b) and (c) with regards to managing spreadsheet file and worksheet.



**Figure 2.1** – Blank spreadsheet

a) Differentiate between a workbook and worksheet.

---

---

---

[2 marks]

b) What is the name of the worksheet in **Figure 2.1**?

---

---

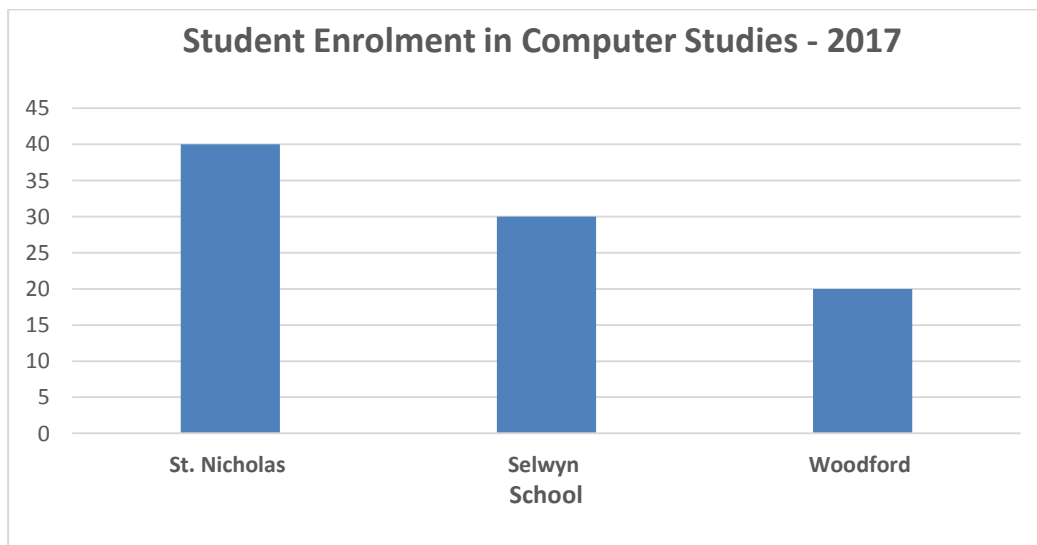
[1 mark]

c) What cell is active in **Figure 2.1**?

---

[1 mark]

4. **Figure 3.1** below shows the number of computer studies students from each school for 2017. Study the graph carefully and answer questions (a), (b), (c) and (d).



**Figure 3.1** – Computer Studies Student Graph.

a) What type of graph is used in **Figure 3.1**?

---

[1 mark]

b) What is the appropriate label on the y-axis?

---

[1 mark]

c) What is the difference in total enrolment for St Nicholas and Woodford?

---

[1 mark]

d) What is the scale on the y-axis?

---

[1 mark]

**Total mark for Q.4 :**



**16**

## QUESTION FIVE

[17 marks]

1. During your Common Assessment Task (CAT), you have worked with database application to complete your assessment. Answer questions (a), (b) and (c) concerning database.

a) Describe what is a database table?

---

---

[2 marks]

b) Differentiate between record and field

---

---

[2 marks]

c) Name the database application used in your assessment.

---

[1 mark]

2. To manipulate data in a database involves certain operations. State the function of each operations below.

a) Insert \_\_\_\_\_  
[1 mark]

b) Delete \_\_\_\_\_  
[1 mark]

c) Modify \_\_\_\_\_  
[1 mark]

d) Undo \_\_\_\_\_  
[1 mark]

3. **Figure 4.1** shows a database table for Solomon Game 2016 team and supporters. Study the table carefully and answer questions (a) and (b).

SolomonGame2016		
ID	Team	Supporters
1	Malaita	600
2	Makira	300
3	Temotu	200
4	Western	520
5	Choiseul	450
6	Guadalcanal	540
7	Renbel	150
8	Central	250
9	Honiara	400
10	Isabel	350

**Figure 3.1** - Solomon Game 2016 Soccer Team and Supporter

- a) Write a SQL statement that will output the result in **Figure 4.1**.

---



---

[3 marks]

- b) Identify the table name in **Figure 4.1**.

---

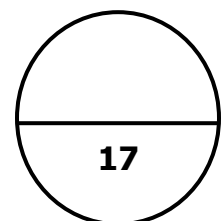
[1 mark]

4. Briefly describe each of the functions below that are useful generating database queries.

- a) Count \_\_\_\_\_
- [2 marks]

- b) Max \_\_\_\_\_
- [2 marks]

**Total mark for Q.5 :**





**This page has been left blank deliberately**

# COMPUTER STUDIES 2017

Student Personal Identification Number

--	--	--	--	--	--

## SECTION A

### MULTIPLE CHOICE (20 MARKS)

Write clearly the letter of the correct answer in the box provided. Make sure your answer is put alongside the right question number.

#### EXAMPLE:

If you consider B is the correct answer, write it like this:

B
---

To change your answer from B to C, cross out B and write the new answer by the box, like this:

<del>B</del>
--------------

C

- |  |  |  |  |
|--|--|--|--|
| 1. <table border="1"><tr><td></td></tr></table>  |  | 11. <table border="1"><tr><td></td></tr></table> |  |
|  |  |  |  |
|  |  |  |  |
| 2. <table border="1"><tr><td></td></tr></table>  |  | 12. <table border="1"><tr><td></td></tr></table> |  |
|  |  |  |  |
|  |  |  |  |
| 3. <table border="1"><tr><td></td></tr></table>  |  | 13. <table border="1"><tr><td></td></tr></table> |  |
|  |  |  |  |
|  |  |  |  |
| 4. <table border="1"><tr><td></td></tr></table>  |  | 14. <table border="1"><tr><td></td></tr></table> |  |
|  |  |  |  |
|  |  |  |  |
| 5. <table border="1"><tr><td></td></tr></table>  |  | 15. <table border="1"><tr><td></td></tr></table> |  |
|  |  |  |  |
|  |  |  |  |
| 6. <table border="1"><tr><td></td></tr></table>  |  | 16. <table border="1"><tr><td></td></tr></table> |  |
|  |  |  |  |
|  |  |  |  |
| 7. <table border="1"><tr><td></td></tr></table>  |  | 17. <table border="1"><tr><td></td></tr></table> |  |
|  |  |  |  |
|  |  |  |  |
| 8. <table border="1"><tr><td></td></tr></table>  |  | 18. <table border="1"><tr><td></td></tr></table> |  |
|  |  |  |  |
|  |  |  |  |
| 9. <table border="1"><tr><td></td></tr></table>  |  | 19. <table border="1"><tr><td></td></tr></table> |  |
|  |  |  |  |
|  |  |  |  |
| 10. <table border="1"><tr><td></td></tr></table> |  | 20. <table border="1"><tr><td></td></tr></table> |  |
|  |  |  |  |
|  |  |  |  |

## FOR MARKER USE ONLY

SECTION	MARKS	
M/C	20	
SECT: B.Q1.	24	
B.Q2.	15	
B.Q3.	8	
B.Q4.	16	
B.Q5.	17	
<b>TOTAL</b>	<b>100</b>	
<b>Marker's Initial</b>		