

Computer Science Unit 1 Internal Assessment Format

Order of Items:

1. Student's cover Page (Relevant to project)
2. School's Cover Page
3. Assessment Record
4. Table of Contents (Indented items are part of the table of contents)
 - a. Introduction (Brief overview of project)
 - b. Problem Definition
 - c. Solution
 - d. Technical Documentation
 - e. Program Listing (C program)
 - f. Data File
 - g. Test Plan
 - h. Test Results
 - i. User Documentation
 - j. Conclusion (Indicate strengths, weaknesses and possible improvements)

Components of the Technical Documentation:

Each module requires the following:

Module 1: Name of module

Narrative

Pseudocode

Data Dictionary

- Follow the above pattern for the remaining modules.
- Arrange modules in the order in which they appear in the program. Main should be the last module.

Test Plan Format

Test Number	Test	Expected Result
1		

NB. Test plan should include all menu options. The expected results for valid and invalid entries are included.

Test Results Format

Example: Results for Test: 1

Screen shot of the output for test 1. Repeat this for all tests in the test plan.

User Documentation

Provide clear instructions to load and run the executable file; include screen shots to assist the user.

General Comments

Use consistent formatting (e.g. use the same format for all headings). Required formatting: Font size: 12, Font face: Times New Roman. You may change the font size and font face for headings, set all margins to 1, set line spacing to 1.5, set page numbering to top right. Avoid fragments of a section at the end of a page and layout text appropriately on the page. NB. Check grammar and spelling.

Project Submission

- **Printout of completed project**

- **Softcopy of C program and Microsoft Word document**

Title of Project



Relevant Image

Name of Candidate:

Candidate Number:

Subject: Computer Science Unit 1

Centre Name: Christ Church Foundation School

Centre Number: 030004

Territory: Barbados

The Christ Church Foundation School



Caribbean Examinations Council

CAPE

Computer Science Unit 1

Internal Assessment

Paper 03A

Name of Candidate:

Candidate Number:

Centre Number: 030004

Territory: Barbados

Teacher: Wesley Gill

Year:

Internal Assessment Score:

CARIBBEAN EXAMINATIONS COUNCIL
ADVANCED PROFICIENCY EXAMINATIONS
COVER SHEET FOR RESEARCH PROJECT
COMPUTER SCIENCE UNIT 1

NAME OF CENTRE: The Christ Church Foundation School

CENTRE CODE: 030004

TERRITORY: Barbados

YEAR OF EXAM:

NAME OF CANDIDATE:

CANDIDATES REGISTRATION NUMBER:

TITLE OF PROJECT:

Criteria	Maximum Mark	Mark
1. Definition of Problem	4	
<ul style="list-style-type: none"> ○ Complete and accurate description of the problem 3-4 ○ Partial description of the problem 1-2 		
2. Narrative and Flow Charts or Pseudocode		
<ul style="list-style-type: none"> ● Algorithms expressed in narrative format 	4	
<ul style="list-style-type: none"> ○ Narrative is an accurate description of a solution 3-4 ○ Narrative is a partially correct description of a solution 1-2 		
<ul style="list-style-type: none"> ● Algorithms expressed as flow charts or pseudocode 	6	
<ul style="list-style-type: none"> ○ Flow chart/Pseudocode is logical, easy to follow and is an accurate description of a solution using the appropriate symbols or algorithmic structures 5-6 ○ Flow chart/Pseudocode is organised, easy to follow for the most part, and is a clear description of a solution using the appropriate symbols or algorithmic structures 3-4 ○ Flow chart/Pseudocode is not well organised, and description of solution lacks clarity 1-2 		
<ul style="list-style-type: none"> ● Demonstration of structured programming concepts 	5	
<ul style="list-style-type: none"> ○ Program displays excellent use of structured programming concepts 5 ○ Program displays good use of structured programming concepts 3-4 ○ Program displays limited use of structured programming concepts 1-2 		
3. Coding of Program		
<ul style="list-style-type: none"> ● Structured decomposition using functions 	6	
<ul style="list-style-type: none"> ○ Overall, program comprises functions as independent units 5-6 ○ Program comprises most functions as independent units 3-4 ○ Program comprises some functions as independent units 1-2 		
<ul style="list-style-type: none"> ● Use of appropriate data structures 	6	
<ul style="list-style-type: none"> ○ Data structure chosen were appropriate for the problem definition 5-6 ○ Data structure chosen were reasonable but not appropriate 3-4 ○ Data structure chosen were inappropriate 1-2 		
<ul style="list-style-type: none"> ● Demonstration of the concept of structured programming 		

<ul style="list-style-type: none"> ○ Evidence of looping structures 3 ○ Evidence of conditional statements 2 ○ Evidence of other structures (for example assignment, input, output) 1 	3	
<ul style="list-style-type: none"> • Appropriate programming style and documentation 		
<ul style="list-style-type: none"> ○ Appropriate document in significant areas 3-4 ○ Standard indentation of code 1-2 	4	
<ul style="list-style-type: none"> • Evidence that code matches algorithm 		
<ul style="list-style-type: none"> ○ Code matches sequencing of algorithm 4 ○ Code matches MOST of the sequencing of algorithm 3 ○ Code matches SOME of the sequencing of algorithm 2 ○ Sequencing of code inconsistent with algorithm 1 	4	
<ul style="list-style-type: none"> • Evidence of file manipulation 		
<ul style="list-style-type: none"> ○ Correct file types used, for example, text, binary, sequential, random ○ File used appropriately 1 	2	
4. Testing and presentation		
<ul style="list-style-type: none"> • Test Plan 		
<ul style="list-style-type: none"> ○ Test Plan with exhaustive data set 3 ○ Test Plan with acceptable data set 2 ○ Test Plan with minimal data set 1 	3	
<ul style="list-style-type: none"> • Test Results 		
<ul style="list-style-type: none"> ○ Normal input giving correct results 5 ○ Extreme input giving correct results or appropriate error message 3-4 ○ Erroneous input (for example, text when number required) giving appropriate error message 2 ○ Incomplete input giving appropriate message 1 	5	
<ul style="list-style-type: none"> • Overall presentation 		
<ul style="list-style-type: none"> ○ Appropriate cover page 1 ○ Use of table of contents 1 ○ Sequencing in document easy to follow 1 	3	
5. Communication of Information		
<ul style="list-style-type: none"> ○ Communicates information in a logical way using correct grammar and appropriate jargon ALL of the time 4-5 ○ Communicates information in a logical way using correct grammar and appropriate jargon MOST of the time 2-3 ○ Communicates information in a logical way using correct grammar and appropriate jargon SOME of the time 1 	5	
Total	60	

Table of Contents

Introduction
Problem Definition
Solution
Technical Documentation
Program Listing
Data File
Test Plan
Test Results
User Documentation
Conclusion

Paper Information: Size: letter (8.5 x 11); **Cover Page :** Cover Stock

Plastic Binding Combs Information

Diameter Inches	Diameter MM	Sheets
3/16"	4.76mm	12
1/4"	6.35mm	20
5/16"	7.94mm	40
3/8"	9.53mm	55
7/16"	11.11mm	70
1/2"	12.7mm	90
9/16"	14.29mm	100
5/8"	15.88mm	120
3/4"	19.05mm	150
7/8"	22.23mm	170
1"	25.4mm	200
1 1/8"	28.58mm	220
1 1/4"	31.75mm	230
1 1/2"	38.1mm	290
1 3/4"	44.45mm	360
2"	50.8mm	425