

Grade 12 P2 June Exam 2024

Duration: 3 hrs.

Marks: 150

SECTION A: GENERAL PROGRAMMING SKILLS

SECTION B: TEXT FILES AND STRING MANIPULATION

SECTION C: OBJECT ORIENTED PROGRAMMING

SECTION D: PROBLEM SOLVING PROGRAMMING

Topics assessed:

- Changing properties, Extracting, Displaying, Adding, Removing, Rearranging information in components such as:
 - Combobox
 - Images
 - DateTime picker
 - RichEdit
 - Editbox
 - SpinEdit
 - Memo
- Text files
 - Extracting all contents of a textfile using a loop
 - Extracting only one line
 - Extracting the first 2,3,4 or 5 lines of a text file
 - Checking existence
 - Using loops to display info from text files
 - Using conditional formatting on information in text files
- Classes and objects
 - Completing methods (Mutator, Assessor, Auxiliary, Constructor, ToString)
 - Instantiating objects
 - Using Information from text files to instantiate objects
 - Using Setters on the VCL form
- Arrays
 - One Dimensional Arrays
 - Two Dimensional Arrays
 - Displaying Arrays in column form
 - Searching for specific data in arrays
 - Performing calculations with data stored in arrays
 - Sorting data in arrays in alphabetical order or ascending order
 - Swapping data in 2D-Arays
 - Displaying the Arrays

Grade 1math P2 Scope

Michael Brown



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