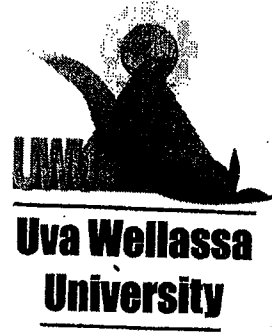
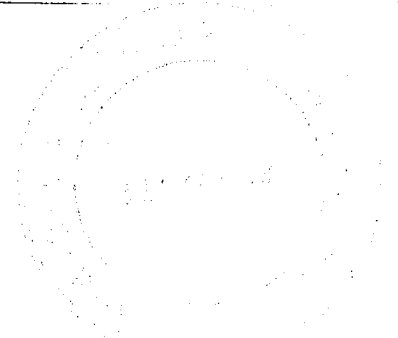


Uva Wellassa University of Sri Lanka
Faculty of Science & Technology
Computer Science & Technology Degree Program
2nd Semester Examination Aug/September-2011
CST 121-2 Structured Programming Fundamentals(Repeat)
CST 103-2 Structured Programming Fundamentals(Repeat)



Index No:



Essay Questions. *This section carries 40 marks (Each question carries 20 marks).*

- (1) a. "Programming can be challenging". Briefly discuss this statement by providing examples. (4 marks)
- b. What is the important of having "main" function in any C program? Is it possible to have a C program without a main function? (4 marks)
- c. What are the advantages of using the predefined header files in a C program? (4 marks)
- d. What is the need of language translators when programming with high level languages. (4 marks)
- e. Briefly explain the difference between syntax errors and runtime errors that may occur when writing computer programs. Provide examples for each of them. (4 marks)
- (2) a. There are different data types available to define integer variables in C programming language such as short, int, long ...etc. What is the use of having several data types to represent the same kind of data? (4 marks)
- b. What are the advantages of using functions in a C programming? (4 marks)
- c. Briefly explain the difference between the two types of selection statements as "if-else" and "switch" in C programming? (4 marks)
- d. Array can be seen as a set of elements with same data type. Briefly explain a situation where the use of array elements is more suitable than use of separate variables. (4 marks)
- e. What is the difference between integer type variable and integer type pointer? What are the values that we can store in these two? (4 marks)

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