

Name: _____

Programming

Date:

Time:

Total marks available:

Total marks achieved: _____

G Wright

Questions

Q1.

Many different types of software are written by programmers and used in computing devices.

Discuss the benefits of using subprograms when writing software solutions.

(6)

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(Total for question = 6 marks)

Q1.

No Examiner's Report available for this question

Mark Scheme

Q1.

Question Number	Indicative content	Mark
	<p>Indicative content:</p> <ul style="list-style-type: none">• are written only once/no repeated/copied blocks of code (1)• only needs to be debugged once (1)• can be reused/called from anywhere in the program (1)• make main program more readable/shorter (1)• can reduce the need for global variables (1)• can be put into libraries/reused in other programs/shared with others (1)• can be used to hide complex code/functionality (1)• can be written in low-level languages for special purpose/interact with hardware/optimize performance (1)	(6)

Level	Mark	Descriptor
	0	No rewardable content.
Level 1	1-2	<p>Basic, independent points are made showing elements of knowledge and understanding of key concepts/principles of computer science.</p> <p>The discussion will contain basic information with little linkage between points made.</p>
Level 2	3-4	<p>Demonstrates adequate knowledge and understanding of key concepts/principles of computer science.</p> <p>The discussion shows some linkages and lines of reasoning with some structure.</p>
Level 3	5-6	<p>Demonstrates comprehensive knowledge and understanding by selecting relevant knowledge and understanding of key concepts/principles of computer science to support the discussion being presented.</p> <p>The discussion shows a well-developed, sustained line of reasoning which is clear, coherent and logically structured.</p>