**A level Computer Science – Bridging Work**

**Task 2 – Processor Performance**

**Part 1**

You have successfully installed Visual Studio community edition last week,

1. <https://www.homeandlearn.co.uk/NET/vbNet.html> do lesson 2 visual basic .net forms only

**Part 2**

If you get stuck with any of the following question check out Task 2 - Support.pdf

1. The performance of a processor is affected by many different factors. For example, the speed at which the processor is clocked determines how much time is taken to complete instructions. A higher clock rate generally results in the quicker processing of instructions but this is not the only factor.   
     
   Describe **two** other factors that affect the performance of a processor. [6]

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1. Describe what is meant by each of the following terms, giving an example of how each is used in a computer system.

(a) parallel processing [2]

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(b) pipelining [2]

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3. Isobel needs to work on a report. She loads a word processing package and the report, finding that it takes a long time. She writes the report and closes the word processor, before remembering something else she should have included. She reloads her document, this time finding that it loads in a fraction of the time that it took before.

Explain a possible reason for this. [2]

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[Total 12 marks]