

UNIT 1.1 COMPUTING TEST

Q1) What is the purpose of the CPU? [1]

Q2) Describe the role of the Control Unit in a CPU? [2]

Q3) Other than the Control Unit and ALU, identify one other part of the CPU [1]

Q4) Describe the role of the Arithmetic Logic Unit [2]

Q5) What is a register? [1]

Q6) Look at the following set of instructions being handled by the CPU. Using the supplied grid of CPU registers list the next 4 steps the CPU will handle. The CPU has just finished the FETCH stage of the cycle in this example. [4]

Address	Contents
0	LOAD 4
1	ADD 5
2	STORE 6
3	
4	3
5	9
6	

Program Counter	2
Memory Address Register	1
Memory Data Register	ADD5
Current Instruction Register	ADD5
Accumulator	3

7) Describe 2 ways to improve CPU performance [4]

8) Using an example describe what an embedded system is [2]