The questions on this worksheet have been taken from the OCR A-Level Computer Science Practice Paper 1.1

## "3-a-day" A-Level Exam Practice Unit 1 (019)

Question 1			
		ving is a	program written using the Little Man Computer instruction set.
	start	OUT	one
		LDA	zero
		OUT	count
		SUB	one
		STA	count
		BRP	start
	one	HLT DAT	1
	zero	DAT	0
	count	DAT	3
	(a) Desc	ribe the	difference between the STA and LDA instructions.
	•••••		
	•••••		
			[2]
Question 2			
(1-)	I do natific the		former address to the annual control of
(b)	identify the	type o	of memory addressing the program uses.
			[1]
Question3			
	Ot-to the		
(c)	State the c	output t	his program generates.
· ·			
		······	
			***
			[3]

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answer 1	
STA store the value in the memory location	memory location into the 2
nswer 2	
Direct addressing	AO1.2 Accept Symbolic Addressing
nswer 3	
<ul> <li>Answer contains at least 1 followed by 0</li> <li>Answer contains at least three 10s</li> <li>Answer contains exactly four 10s</li> <li>(1 per -)</li> </ul>	AO3.3 1 3 0 1 0 1 0 1 0 1 0