\*\*\*Copyright Disclaimer: All materials used in these free 6-a-day resources are taken from past OCR GCSE Computing Exams – The OCR exam board owns the copyright for these exam questions – questions have been used with their permission\*\*\*

The questions on this worksheet have been taken from the 2018 OCR GCSE Computer Science Paper 2

## 6-A-Day – Computer Science GCSE (p2.8-2016)

Q1	(i) Describe what is meant by a variable.							
	[2]							
Q2	A programmer has written an algorithm to output a series of numbers. The algorithm is shown below:							
	01 for $k = 1$ to 3							
	02 for p = 1 to 5							
	03 print (k + p)							
	04 next p							
	05 next k							
	06 m = 7							
	07 print m * m							
	(ii) Identify two variables that have been used in the algorithm above.							
	1							
	2							
	[2]							
Q3								
	The logic diagram below (Fig. 2) shows a system made up of two connected logic gates.							
	Fig. 2							
	(a) (i) Label the names of the two gates on the diagram above. [2]							

\*\*\*Copyright Disclaimer: All materials used in these free 6-a-day resources are taken from past OCR GCSE Computing Exams – The OCR exam board owns the copyright for these exam questions – questions have been used with their permission\*\*\*

## The questions on this worksheet have been taken from the 2018 OCR GCSE Computer Science Paper 2

Q4	(11)	Con	aplata the	truth table b	alow to show t	he output from th			
	(ii)	Con	npiete the	A RUIN LADIE D	B	he output from th			
				0	0	<b>4</b>			
				0	1				
				1	0				
				1	1		[4]		
							[4]		
Q5									
	(b) Draw the logic diagram represented by <b>Q</b> = <b>A V</b> ¬ <b>B</b>								
							[2]		
Q6						first three letters of k was published.	of the book title in upper case,		
	For	exan	nple, "Poe	try from the Wa	ar", published in	2012 would be giv	ven the code POE12.		
	<ul><li>(a) (i) Complete the following pseudocode for a function definition that will take in the book title and year as parameters and return the book code.</li></ul>								
			01 fun	ction libra	rycode(title	,	)		
			02	parta = ti	tle.subStrin	g(0,	)		
			03	partb = ye	ar.subString	(2, 2)			
			04		par	ta.upper + pa	rtb		
			05 end:	function			[3]		