

The answers on this worksheet have been taken from the OCR GCSE Computer Science Specimen Paper 2

6-A-Day – Computer Science GCSE (p2.3-2016)

Q1	<ul style="list-style-type: none"> • RebEl 	1 (AO2 1b)	Correct Answer Only (allow any case)
Q2	<ul style="list-style-type: none"> • UitFr 	1 (AO2 1b)	Correct Answer Only (allow any case)
Q3	<ul style="list-style-type: none"> • Taking firstname, surname and gender as input • Checking IF gender is male/female (using appropriate selection) • For male ...Generating last 3 letters of surname using appropriate string manipulation • ...Generating first 2 of letters of firstname and adding to previous • For female.... correctly calculating as before • Correct concatenation and output <p>input firstname, surname, gender if gender = "Male" then username = RIGHT(surname, 3) + LEFT(firstname,2) else username = LEFT (firstname,3) + LEFT(surname,2) end if print (username)</p>	6 (AO3 2b)	1 mark for each correct bullet to a maximum of 6. If used, a flowchart should represent the bulleted steps in the answer column
Q4	<ul style="list-style-type: none"> • To convert it to binary/machine code • The processor can only understand machine code 	1 (AO1 1a)	Maximum 1 mark
Q5	<ul style="list-style-type: none"> • Compiler translates all the code in one go... • ...whereas an interpreter translates one line at a time • Compiler creates an executable... • ...whereas an interpreter does not/ executes one line at a time • Compiler reports all errors at the end... • ...whereas an interpreter stops when it finds an error 	4 (AO1 1b)	1 mark to be awarded for the correct identification and one for a valid description up to a maximum of 4 marks. No more than 2 marks for answers relating only to interpreters and no more than 2 marks for answers only relating to compilers.
Q6	<ul style="list-style-type: none"> • Allows multiple items of data to be stored ... • under one identifier/name • Can store a table structure • Reduces need for multiple variables 	2 (AO1 1b)	1 mark for each bullet to a maximum of 2.