

Oxford Revise | OCR Computer Science | Answers

Chapter 27 Procedures and functions

Question	Answer		Extra information	Marks	AO / Specification reference
1	Programming feature	Description	1 mark for correct answer up to 5 marks. The shaded parts are given in the question.	1 1 1 1 1	AO1 2.2.3
	Function	A sub program that always returns a value.			
	Global variable	A variable that can be used anywhere in the program.			
	Local variable	A variable that can only be used inside the procedure or function in which it is created.			
	Parameter	A variable that allows values to be passed from the main program into a sub program.			
	Procedure	A sub program that doesn't return a value.			

Question	Answer	Extra information	Marks	AO / Specification reference
2	<pre>function averageValue(total, quantity) average = total / quantity if average > 60 then return "Accept" else return "Reject" endif endfunction</pre>	Marking points: - Function defined correctly (function and endfunction if given in exam reference language) - Two appropriately named parameters passed - Correct calculation of average - Check for value of average being more than 60 (if ... then ... else ... endif) - Appropriate return of "Accept" or "Reject" Additional information: - Requesting the inputs from the user for variables is not necessary within the function.	1 1 1 1 1	AO3 2.2.3

Question	Answer	Extra information	Marks	AO / Specification reference
3	<pre>result = averageValue(total, quantity) print(result)</pre>	Marking points: - Function <code>averageValue()</code> called and assigned to a result variable - Two parameters used for total and quantity - Output result.	1 1 1	AO3 2.2.3
4	<pre>whole = random(-5,25) number = random(0.3,9.7)</pre>	Correct answer. Correct answer.	1 1	AO2/AO3 2.2.3