Oxford Revise | OCR Computer Science | Answers

Chapter 27 Procedures and functions

Question	Answer	Extra information	Marks	AO / Specification reference
1	<table><tr><th>Programming feature</th><th>Description</th></tr><tr><td>Function</td><td>A sub program that always returns a value.</td></tr><tr><td>Global variable</td><td>A variable that can be used anywhere in the program.</td></tr><tr><td>Local variable</td><td>A variable that can only be used inside the procedure or function in which it is created.</td></tr><tr><td>Parameter</td><td>A variable that allows values to be passed from the main program into a sub program.</td></tr><tr><td>Procedure</td><td>A sub program that doesn't return a value.</td></tr></table>	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

Question	Answer	Extra information	Marks	AO / Specification reference
| 2 | ```
Function averageValue(total, quantity)
    average = total / quantity
    if average > 60 then
        return "Accept"
    else
        return "Reject"
    endif
endfunction
``` | Marking points:<br><br>• Function defined correctly (`function` and `endfunction` seen with correct name)<br>• Two appropriately named parameters passed<br>• Correct calculation of average<br>• Check for value of average being more than 60 (`if … then … else … endif`)<br>• Appropriate return of `"Accept"` or `"Reject"` | 1<br><br>1<br><br>1<br>1<br><br>1 | AO3<br><br>2.2.3 |
| 3 | ```
result = averageValue(total, quantity)
print(result)
``` | Marking points:<br><br>• Function `averageValue()` called and assigned to a result variable<br>• Two parameters used for total and quantity<br>• Output result. | 1<br>1<br><br>1 | AO3<br><br>2.2.3 |

Question	Answer	Extra information	Marks	AO / Specification reference
4	`whole = random(-5,25)`	Correct answer.	1	AO2/AO3 2.2.3
	`number = random(0.3,9.7)`	Correct answer.	1	