# 2009 Software Development Unit 3

**Outcome 2:** To produce a software module suitable for implementation on a portable computing device, in response to a system design, verify its performance against this specification and explain how the program has taken into account an ethical dilemma or a legal obligation.

Total Marks: 50

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| --- | --- | --- |
| Criteria | Allocated Marks | Teacher’s Comments |
| 1. From the design specifications, *sketch all the input and output screens or forms* and write an algorithm to show any relevant calculation modules
 | 5 |  |
| 1. From the design specifications, represent the data structures in the form of a data table.
 | 5 |  |
| 1. Create a complete set of evaluation criteria
 | 5 |  |
| 1. Design a Testing Table… as per Mark.
 | 5 |  |
| 1. Use an appropriate programming language to:
 |
| * 1. *Develop a graphical user interface (GUI).*
 | *5* |  |
| * 1. *Apply data validation techniques.*
 | *5* |  |
| * 1. Use program control structures: selection, iteration and sequencing in a working module.
 | 5 |  |
| * 1. Use meaningful object and variable names that follow relevant naming conventions. Write informative internal documentation.
 | 5 |  |
| 1. Provide evidence that the module meets the design specifications by using suitable test data.
 | 5 |  |
| Total: | 50 |  |