



# **INTRODUCTION TO PROGRAMMING**

**JUNE 2013**

## **Examination Paper**

**Answer ALL questions.**

**Clearly cross out surplus answers.**

**Time: 3 hours**

**CANDIDATES MUST ANSWER ALL THE QUESTIONS**

**PLEASE READ ALL THE QUESTIONS CAREFULLY**

**Keep a record of all work you complete and produce a Word document following the instructions provided.**

**Use of any PC equipment other than that provided in the examination room is NOT permitted.**

## COMPLETE ALL TASKS

### **Guidance notes for producing your examination documentation:**

Complete the following computer programming tasks using Visual Basic.

- The evidence you **must produce is a Word document** containing for each task:
- Required Outcomes;
- Simple Test Criteria;
- Completed Object Definition Sheets;
- The Visual Basic Program Code, with relevant comments (i.e. annotated);
- Screenshot or screenshots of the user interface. (In some cases it may be necessary to show the user interface as the program is executing);
- Screenshot or screenshots of the output generated when the program code is run.

You can use the Windows Snipping Tool to assemble this Word Document.

You do **not** have to provide any general commentary on your work.

You do **not** have to provide any history of what debugging you may have done.

**It is very important that the program code is clear, the outputs are designed to be easy to understand and your Word document is well presented.**

**A copy of the Student Support material for this programming module will be available via your work station.**

**The Questions begin on the next page.**

**QUESTION 1****Marks**

Produce a text file in Notepad that contains the text below (include all spaces, punctuation and capital letters): **5**

**AT 12PM, billy's DOG, jasper, ran 3 metres ACROSS the PARK to catch THE BALL that WAS thrown to HIM.**

Name and save the file so that its path may be accessed using a Visual Basic program.

**QUESTION 2**

Write a Visual Basic program that:

**50**

- Accesses the file that you saved in Question 1
- Create an edited copy of this file so that:
  - All words appear in capital letters
  - There is one space between words and between numbers
  - All numbers are removed
  - Save as a new file with the name <original file name>TIDY.
  - Keep the original file

**QUESTION 3**

Develop simple test criteria and perform testing to ensure that the program functions correctly.

**30****QUESTION 4**

Make screenshots of the original and edited Notepad files.

**5****QUESTION 5**

Carefully check the contents of the Word file so that it is a complete record of your work, and is presented according to the guidance notes above. Submit the final Word document for assessment.

**10****Total 100 Marks****END OF EXAM**