



GCE AS/A level

1241/01

INFORMATION AND

COMMUNICATION TECHNOLOGY – IT1

INFORMATION SYSTEMS

P.M. MONDAY, 3 June 2013

2¼ hours plus your additional time allowance

Surname _____

Other Names _____

Centre Number _____

Candidate Number 2 _____

For Examiner's use only		
Question	Maximum Mark	Mark Awarded
1	6	
2	8	
3	4	
4	6	
5	8	
6	4	
7	6	
8	18	
9	4	
10	16	
Total	80	

INSTRUCTIONS TO CANDIDATES

Use black ink, black ball-point pen or your usual method.

Write your name, centre number and candidate number in the spaces provided on the front cover.

Answer ALL questions.

Answers should be written in the spaces provided. Where the space is not sufficient for your answer continue the answer at the back of the book, taking care to number the continuation correctly.

The intended marks for questions or part questions are given in brackets []. You are advised to divide your time accordingly. The total number of marks available is 80.

You are reminded of the necessity for good written communication and orderly presentation in your answers.

Quality of written communication will be assessed in question 8.

1(b) Touch sensitive screens. [3]

6



10



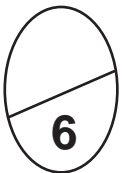


4 A company uses word processing/DTP software. Define EACH of the following functions of word processing/DTP software and give an APPROPRIATE example of how EACH can be used by the company. [6]

(a) Templates.

4(b) Macros.

4(c) Mailmerge.



5(a) Validation is very important in modern data processing systems.

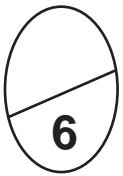
(i) Define what is meant by the term 'VALIDATION'. [1]

(ii) Using an example, name and describe, a validation method that could be used in a student record keeping system. [3]

5(b) Other than the data itself, describe FOUR factors that could affect the efficiency of data processing systems. [4]



7(b) Describe TWO advantages and ONE disadvantage of CAL software. Do not give the same advantages and disadvantage as in part (a). [3]



8(b) 'JUST IN TIME' control systems are used extensively for stock control in the supermarkets. Describe how 'just in time' stock control works after a barcode is scanned at a Point of Sales (POS) terminal. [4]





You must refer to your own spreadsheet to answer the following question.

If no spreadsheet evidence is submitted then no marks can be awarded.

Make sure that you show in your answer where the functions/formulas can be found in your spreadsheet.

10(a) Describe the purpose of TWO functions from the list below, which you have used in your spreadsheet. [2×2]

SINGLE IF, MULTIPLE IF, DATE, ROUND

10(c) Describe a validation method you used to ensure that invalid data was not used in your spreadsheet. [3]



END OF PAPER

Ensure you attach the printouts of your spreadsheet to your examination answer paper.

