

Surname	Centre Number	Candidate Number
Other Names		2



GCE AS/A level

1241/01



S15-1241-01-R1

INFORMATION AND COMMUNICATION TECHNOLOGY – IT1
Information Systems

A.M. MONDAY, 1 June 2015

2 hours 15 minutes

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

INSTRUCTIONS TO CANDIDATES

Use black ink or black ball-point pen.

Write your name, centre number and candidate number in the spaces at the top of this page.

Answer **all** questions.

Answers should be written in the spaces provided.

Where the space is not sufficient for your answer use a continuation sheet, 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(b).

Make sure you hand in your spreadsheet with this booklet at the end of the examination.

SECTION A

Answer all questions.

1. The purpose of a good *Human Computer Interface (HCI)* is to make it as easy as possible for a person to use a computer system. The user often decides which HCI is the most suitable.

Describe an *actual use* and an *appropriate advantage* for **each** of the following HCI.

(a) Command line

[2]

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(b) Speech recognition system

[2]

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(c) Game playing device

[2]

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3. A family is considering linking up its stand-alone computers to form a *Local Area Network (LAN)*.

Describe the *advantages* and *disadvantages* for the family of using a home network of this type. [4]

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6. Other than the *data itself* and *hardware*, describe **two** factors that could have an impact on the efficiency of a data processing system. [2]

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8. A multinational electronic goods company uses automatic stock control and allows its customers to pay in a variety of ways.

(a) (i) The branches make use of barcodes for entering product data. Describe in detail what a barcode is and state **three** items that are contained in a barcode. [3]

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(ii) State a benefit and a drawback of using barcodes for entering product data. [2]

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(c) (i) State what is meant by the term *EFTPOS*.

[1]

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(ii) Give an *advantage* to the company and an *advantage* to the customer of using EFTPOS.

[2]

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18

(b) Describe **one** macro you used in your spreadsheet, stating why you used it. [2]

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(c) Describe **two** methods of *simplifying data entry* you used in your spreadsheet. [2×2]

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