

ADVANCED SUBSIDIARY GCE
INFORMATION AND COMMUNICATION TECHNOLOGY

2514

Practical Applications of ICT using Standard/Generic Applications Software

FRIDAY 16 MAY 2008

Morning
 Time: 1 hour 30 minutes

Candidates answer on the question paper

Additional materials: No additional materials are required



Candidate Forename

Candidate Surname

Centre Number

Candidate Number

INSTRUCTIONS TO CANDIDATES

- Write your name in capital letters, your Centre number and Candidate number in the boxes above.
- Use blue or black ink. Pencil may be used for graphs and diagrams only.
- Read each question carefully and make sure that you know what you have to do before starting your answer.
- Answer **all** the questions.
- Do **not** write in the bar codes.
- Write your answer to each question in the space provided.

INFORMATION FOR CANDIDATES

- The number of marks for each question is given in brackets [] at the end of each question or part question.
- The total number of marks for this paper is **90**, of which 4 marks are allocated to the assessment of the quality of written communication where an answer requires a piece of extended writing.
- No marks will be awarded for using brand names of software packages or hardware.

FOR EXAMINER'S USE		
1		10
2		18
3		15
4		21
5		11
6		11
QWC		4
TOTAL		90

This document consists of **13** printed pages and **3** blank pages.

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A new company, Beautiful Bird Tables (BBT), has been set up. The company make and sell bird tables.

1 The company uses word processing software to produce their documents.

(a) Describe **two** advantages and **one** disadvantage of using a word processing package.

Advantage 1.....
.....
.....
.....

Advantage 2.....
.....
.....
.....

Disadvantage.....
.....
.....
.....[6]

(b) Some documents will be created using templates.

Describe a template.
.....
.....
.....
.....
.....
.....
.....
.....
.....[4]

2 BBT have created a logo using an image from an image library of bird tables.

(a) Explain **one** advantage and **one** disadvantage of using an image of a bird table from an image library.

Advantage.....
.....
.....
.....

Disadvantage.....
.....
.....
.....[4]

(b) Describe how the following features could be used to modify the image.

Fill.....
.....
.....
.....

Soften.....
.....
.....
.....

Sharpen.....
.....
.....
.....[6]

(c) To enhance the logo, BBT have added text to the image.

Explain how grouping the text could be used when modifying the logo.

.....
.....
.....
.....
.....
.....
.....
.....
.....[4]

(d) The text and image used in the logo are stored as different file types.

Explain why different file types are needed.

.....
.....
.....
.....
.....
.....
.....
.....
.....[4]

3 BBT is to give a presentation at an exhibition.

(a) The presentation can be produced on overhead transparencies (OHTs) or as a slideshow using presentation software.

(i) Describe **two** advantages of using OHTs for this presentation.

Advantage 1

.....

.....

.....

Advantage 2

.....

.....

.....[4]

(ii) Describe **two** advantages of using presentation software for this presentation.

Advantage 1

.....

.....

.....

Advantage 2

.....

.....

.....[4]

(b) Describe **one** advantage and **one** disadvantage of using a wizard to create this presentation.

Advantage.....

.....

.....

.....

Disadvantage.....

.....

.....

.....[4]

(c) The presentation is to be given by the Managing Director.

State **three** reasons why **manual transition** is the most suitable transition method for this presentation.

Reason 1

.....

.....

Reason 2

.....

.....

Reason 3

.....

.....[3]

4 Spreadsheet software has been customised to enable the staff of BBT to calculate the total cost of customers' orders.

(a) The spreadsheet interface has been tailored using forms, menus and macros.

Explain the advantages, to BBT of tailoring the spreadsheet interface.

.....[6]

(b) Describe, giving examples, how form controls can be used to assist the staff to enter data into the spreadsheet.

.....[6]

(c) Explain the terms rows, columns and worksheets as used in a spreadsheet.

Give an example of how each could be used by BBT.

(i) Rows
.....
.....
Example
.....
.....
.....[3]

(ii) Columns
.....
.....
Example
.....
.....
.....[3]

(iii) Worksheets
.....
.....
Example
.....
.....
.....[3]

(ii) Identify **two** methods that could be used to improve the results of the search.

Method 1

.....

.....

Method 2

.....

.....[2]

(c) BBT want to see the trend in sales over a period of one year following the implementation of the website.

State the most suitable type of chart for this task.

.....[1]

Turn over for last question

6 BBT holds records of the orders that shops place for bird tables in a relational database.

(a) Explain **two** reasons why a database is used to store and handle these records.

Reason 1

.....

.....

.....

Reason 2

.....

.....

.....[4]

(b) Primary and foreign keys are used in the database.

Explain the terms

(i) Primary key

.....

.....

.....[2]

(ii) Foreign key

.....

.....

.....[2]

(c) The entities and attributes in the relational database are:

SHOP(Shop_ID, Contact_Forename, Contact_Surname, Address_1, Address_2, Telephone_Number)

ORDER(Order_Code, Shop_ID, Stock_ID, Date, Quantity)

BIRDTABLE(Stock_ID, Description, Price, Delivery_Cost)

(i) State the primary key of the BIRDTABLE entity.

.....[1]

(ii) State one foreign key.

.....[1]

(iii) State the relationship between the SHOP and ORDER entities.

.....[1]

[86]
Quality of Written Communication [4]
Total [90]

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