

UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS
Cambridge International Diploma in ICT
Standard Level

BUSINESS CHARTS

5196/A

Optional Module: Practical Assessment

2005

No Additional Materials are required

**1 hour
and 15 minutes reading time**

READ THESE INSTRUCTIONS FIRST

Candidates are permitted **15 minutes** reading time before attempting the paper.

Make sure that your name, centre number and candidate number are shown on each printout that you are asked to produce.

Carry out **every** instruction in each task.

Tasks are numbered on the left hand side of the page, so that you can see what to do, step by step. On the right hand side of the page for each task, you will find a box which you can tick (✓) when you have completed the task; this checklist will help you to track your progress through the assessment.

Before each printout you should proof-read the document to make sure that you have followed all instructions correctly.

At the end of the assignment put **all** your printouts into the Assessment Record Folder.

This document consists of **3** printed pages.



Your manager has asked you to produce charts for a company called *Electry*. The charts will analyse information relating to the company's stock of electrical goods.

BAR CHART

- | | | | |
|---|--|-------------------------------|-------|
| 1 | Using a suitable software package, import the data from the file SBCA5ELE.CSV | ✓
<input type="checkbox"/> | 1.1.1 |
| 2 | Select only the data for <i>Large white goods</i> sold in the years 2002 and 2005. | <input type="checkbox"/> | 2.1.1 |
| 3 | Create a comparative bar chart from this data. | <input type="checkbox"/> | 2.1.2 |
| 4 | The category axis should show the names of the products and the value axis should show the value of the items sold. Label the category axis White goods and label the value axis Prices

Add the title Comparison of prices 2002 & 2005 | <input type="checkbox"/> | 2.1.3 |
| 5 | Make sure that a legend is shown for the chart identifying only the years 2002 and 2005 | <input type="checkbox"/> | 2.1.3 |
| 6 | Choose shading patterns which will show the bars clearly on a black and white printer. Put your name on the chart. | <input type="checkbox"/> | 2.1.4 |
| 7 | Save using a new filename and print the chart. | <input type="checkbox"/> | 2.1.5 |

PIE CHART

- | | | | |
|----|--|--------------------------|-------|
| 8 | Import the original data from the file SBCA5ELE.CSV | <input type="checkbox"/> | 1.1.1 |
| 9 | Select the data for all items, for the year 2005 only. | <input type="checkbox"/> | 2.2.1 |
| 10 | Plot a pie chart for this data. | <input type="checkbox"/> | 2.2.2 |
| 11 | Add the title Stock value of white goods in 2005 | <input type="checkbox"/> | 2.2.3 |
| 12 | Label each segment of the chart with the <i>item</i> name and the % values. Do not use a legend. | <input type="checkbox"/> | 2.2.3 |
| 13 | Pull out the segment which represents the product <i>Oven</i> so that it stands out. Put your name on the chart. | <input type="checkbox"/> | 2.2.4 |
| 14 | Save using a new filename and print the chart. | <input type="checkbox"/> | 2.2.5 |

LINE GRAPH

- | | | | |
|----|--|--------------------------|-------|
| 15 | Import the original data from the file SBCA5ELE.CSV | <input type="checkbox"/> | 1.1.1 |
| 16 | Select only the <i>Oven</i> data for all years. | <input type="checkbox"/> | 2.3.1 |
| 17 | Plot a line graph for this data. | <input type="checkbox"/> | 2.3.2 |
| 18 | Add the title Oven Sales and Value | <input type="checkbox"/> | 2.2.3 |

- 19 The graph should show the labels **Years** on the category axis and **Stock Value** on the value axis. 2.3.3
- 20 Add the following data under the heading **Number Sold** 1.2.1
- | | | | | |
|------|-----|-----|-----|-----|
| Oven | 150 | 162 | 148 | 235 |
|------|-----|-----|-----|-----|
- 21 Add a second series to the graph to show this data. 2.3.4
- 22 Add a second value axis for this data and show the label **Number Sold** on this axis. 2.3.6
2.3.3
- 23 Make sure that a legend is shown for the graph identifying the comparative data. This must display **Stock Value** for the first series and **Number Sold** for the second series. 2.3.3
- 24 Adjust the maximum values for the second value axis so that they range from **100** to **250** 2.3.5
- Put your name on the graph.
- 25 Save using a new filename and print the graph. 2.3.7

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UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS
Cambridge International Diploma in ICT
Standard Level

BUSINESS CHARTS

5196/B

Optional Module: Practical Assessment

2005

No Additional Materials are required

**1 hour
and 15 minutes reading time**

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Your manager has asked you to produce charts for a company called Dygitell. The charts will analyse the values of cameras.

BAR CHART

- | | | | |
|---|---|-------------------------------------|-------|
| 1 | Using a suitable software package, import the data from the file SBCB5CAM.CSV | <input checked="" type="checkbox"/> | 1.1.1 |
| 2 | Select all the data for cameras sold in 2002 and 2005 only. | <input type="checkbox"/> | 2.1.1 |
| 3 | Create a comparative bar chart from this data. | <input type="checkbox"/> | 2.1.2 |
| 4 | The category axis should show the names of the cameras, and the value axis should show the value of the items sold. Label the category axis Cameras and label the value axis Purchase price

Add the title Camera prices 2002 & 2005 | <input type="checkbox"/> | 2.1.3 |
| 5 | Make sure that a legend is shown for the chart identifying the two years 2002 and 2005 | <input type="checkbox"/> | 2.1.3 |
| 6 | Choose shading patterns which will show the bars clearly on a black and white printer. Put your name on the chart. | <input type="checkbox"/> | 2.1.4 |
| 7 | Save using a new filename and print the chart. | <input type="checkbox"/> | 2.1.5 |

PIE CHART

- | | | | |
|----|--|--------------------------|-------|
| 8 | Import the original data from the file SBCB5CAM.CSV | <input type="checkbox"/> | 1.1.1 |
| 9 | Select the data for all items, for the year <i>2005</i> only. | <input type="checkbox"/> | 2.2.1 |
| 10 | Plot a pie chart for this data. | <input type="checkbox"/> | 2.2.2 |
| 11 | Add the title Purchase price of cameras sold in 2005 | <input type="checkbox"/> | 2.2.3 |
| 12 | Label each segment of the chart with the <i>Camera</i> name and the % <i>values</i> . Do not use a legend. | <input type="checkbox"/> | 2.2.3 |
| 13 | Pull out the segment which represents the camera <i>Olympus</i> so that it stands out. Put your name on the chart. | <input type="checkbox"/> | 2.2.4 |
| 14 | Save using a new filename and print the chart. | <input type="checkbox"/> | 2.2.5 |

LINE GRAPH

- | | | | |
|----|--|--------------------------|-------|
| 15 | Import the original data from the file SBCB5CAM.CSV | <input type="checkbox"/> | 1.1.1 |
| 16 | Select only the <i>Olympus</i> camera for all years. | <input type="checkbox"/> | 2.3.1 |
| 17 | Plot a line graph for this data. | <input type="checkbox"/> | 2.3.2 |
| 18 | Add the title Customer Rating for Olympus | <input type="checkbox"/> | 2.2.3 |

- 19 The graph should show the labels **Years** on the category axis and **Price** on the value axis. 2.3.3
- 20 Add the following data next to the heading **Rating**: 1.2.1
- | | | | |
|----|----|----|----|
| 72 | 84 | 89 | 80 |
|----|----|----|----|
- 21 Add a second series to the graph to show the *Rating* 2.3.4
- 22 Add a second value axis for this data and show the label **Rating** on this axis. 2.3.6
2.3.3
- 23 Make sure that a legend is shown for the graph identifying the comparative data. This must display **Price** for the first series and **Rating** for the second series. 2.3.3
- 24 Adjust the minimum and maximum values for the second value axis so that they range from **70** to **100** 2.3.5
- Put your name on the graph.
- 25 Save using a new filename and print the graph. 2.3.7

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