



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

BUSINESS CHARTS

5196/A

Optional Module: Practical Assessment

2007

1 hour plus 15 minutes reading time

Additional Materials: Candidate Source Files

READ THESE INSTRUCTIONS FIRST

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

Make sure that your **Centre number, candidate number** and **name** are clearly visible on **each printout** that you are asked to produce, before it is sent to the printer.

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.



You work for a gym equipment company called *Gymnastic*. Your manager has asked you to produce several charts. The charts will analyse sales figures.

BAR CHART

- | | | | |
|---|---|-------------------------------|-------|
| 1 | Using a suitable software package, import the data from the file SBCA7GYM.CSV | ✓
<input type="checkbox"/> | 1.1.1 |
| 2 | Select all the data for each type of workout for the last three years only. Do not include the category data labels <i>Full workout</i> , <i>Upper workout</i> , <i>Lower workout</i> | <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 stock items and the value axis should show the value of stock. Label the category axis Stock items and label the value axis Value of stock

Add the title Stock value over the last three years | <input type="checkbox"/> | 2.1.3 |
| 5 | Make sure that a legend is shown for the chart identifying the three years. | <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 the chart using a new filename and print the chart. | <input type="checkbox"/> | 2.1.5 |

PIE CHART

- | | | | |
|----|---|--------------------------|-------|
| 8 | Import the original data from the file SBCA7GYM.CSV | <input type="checkbox"/> | 1.1.1 |
| 9 | Select only the data for <i>Lower workout</i> and the year 2007 | <input type="checkbox"/> | 2.2.1 |
| 10 | Plot a pie chart for this data. | <input type="checkbox"/> | 2.2.2 |
| 11 | Add the title Lower workout sales 2007 | <input type="checkbox"/> | 2.2.3 |
| 12 | Label each segment of the chart with the <i>Stock 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 item <i>Step trainer</i> so that it stands out. Put your name on the chart. | <input type="checkbox"/> | 2.2.4 |
| 14 | Save the chart using a new filename and print the chart. | <input type="checkbox"/> | 2.2.5 |

LINE GRAPH

- | | | | |
|----|--|--------------------------|-------|
| 15 | Import the original data from the file SBCA7GYM.CSV | <input type="checkbox"/> | 1.1.1 |
| 16 | Select only the <i>Total Sales</i> values for all 5 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 Sales and employees | <input type="checkbox"/> | 2.3.3 |

- 19 The graph should show the labels **Year** on the category axis and **Stock sold** on the value axis. 2.3.3
- 20 Add the following data to the *Employees* row: 2.3.4
- | | | | | | |
|------------------|------|------|------|------|------|
| <i>Year</i> | 2003 | 2004 | 2005 | 2006 | 2007 |
| <i>Employees</i> | 3 | 3 | 5 | 6 | 4 |
- 21 Add the data from the *Employees* row, as a second data series to the line graph created at step 17. 1.2.1
2.3.4
- 22 Add a second value axis for this data and add the label **Staff** on this axis. 2.3.6
2.3.3
- 23 Make sure that a legend is shown for the graph identifying the comparative data. 2.3.3
- 24 Adjust the minimum and maximum values for the *Stock sold* so that it ranges from **2000** to **4000** 2.3.5
- Put your name on the graph.
- 25 Save the chart using a new filename and print the graph. 2.3.7

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