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

BUSINESS CHARTS   **5196/A**

Optional Module: Practical Assessment

2006

1 hour
No Additional Materials are required   **plus 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 **printed** on **each page** 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.

UNIVERSITY *of* CAMBRIDGE
International Examinations

Your manager has asked you to produce charts on college statistics. The charts will analyse the results of a survey on student enrolments.

BAR CHART

✓

1	Using a suitable software package, import the data from the file **SBCA6COL.CSV**	☐	**1.1.1**
2	Select all the data for enrolments for the three years.	☐	**2.1.1**
3	Create a comparative bar chart from this data.	☐	**2.1.2**
4	The category axis should show the names of the departments and the value axis should show the number of enrolments. Label the category axis **Department** and label the value axis **Enrolment numbers** Add the title **Enrolments over the last three years**	☐	**2.1.3**
5	Make sure that a legend is shown for the chart identifying the three years.	☐	**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.	☐	**2.1.4**
7	Save using a new filename and print the chart.	☐	**2.1.5**

PIE CHART

8	Import the original data from the file **SBCA6COL.CSV**	☐	**1.1.1**
9	Select only the data for *2005*	☐	**2.2.1**
10	Plot a pie chart for this data.	☐	**2.2.2**
11	Add the title **Enrolments in 2005**	☐	**2.2.3**
12	Label each segment of the chart with the *Department* name and the *% values*. Do not use a legend.	☐	**2.2.3**
13	Pull out the segment which represents the item *Adult Education* so that it stands out. Put your name on the chart.	☐	**2.2.4**
14	Save using a new filename and print the chart.	☐	**2.2.5**

LINE GRAPH

15	Import the original data from the file **SBCA6COL.CSV**	☐	**1.1.1**
16	Select only the *Department* names and all enrolments in *2005*	☐	**2.3.1**
17	Plot a line graph for this data.	☐	**2.3.2**
18	Add the title **Enrolments in 2005**	☐	**2.2.3**

✓

19 The graph should show the labels **Department** on the category axis and **Enrolments 2005** on the value axis. ☐ **2.3.3**

20 Add a new column called **Budget** to the table and include the data shown below: ☐ **2.3.4**

Department	Budget
Business/IT	24500
Catering	17500
Art & Design	24200
Science	37100
Technology	21500
Adult Education	59800

21 Add a second series to the graph to show the *Budget* data for all departments. ☐ **2.3.4**

22 Add a second value axis for this data and show the label **Budget allocation** 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 first series so that they range from **0** to **700**. Put your name on the graph. ☐ **2.3.5**

25 Save using a new filename and print the graph. ☐ **2.3.7**

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