

Spreadsheet and Chart (based on a Higher Tier Question)**Total 25 marks**

- (a) Set up a spreadsheet using the following data showing the audience attendance over a six-day period for ten of the Chameleon Group Cinemas. (2 marks)

CHAMELEON GROUP CINEMAS – Attendances week ending 6 April 2002

<u>Cinema</u>	<u>Mon</u>	<u>Tue</u>	<u>Wed</u>	<u>Thu</u>	<u>Fri</u>	<u>Sat</u>
<i>Ambassador</i>	254	215	236	305	350	399
<i>Carlton</i>	149	210	101	120	262	342
<i>Classic</i>	154	99	230	185	187	291
<i>Embassy</i>	101	83	51	62	120	122
<i>Essoldo</i>	178	209	220	113	288	512
<i>Gaumont</i>	319	125	246	412	465	349
<i>Grand Central</i>	162	365	379	282	141	519
<i>Hippodrome</i>	145	233	214	358	462	343
<i>Metro</i>	322	355	378	401	473	546
<i>Multiplex</i>	483	566	476	492	557	542

- (b) Ensure that all numerical data is right aligned and that the headings for those columns are also right aligned. The headings for the other column should be left aligned. (2 marks)
- (c) Add two new columns after Saturday's data to show the total weekly attendance and the average daily attendance for each cinema and insert the necessary formulae. Give each column a suitable heading. (6 marks)
- (d) Add a new row, beneath the details for the Multiplex, to show the total attendance for each day of all the cinemas that are listed. Give the row a suitable label. (3 marks)
- (e) Due to falling attendances it has been decided to close the Embassy. Delete the row containing the data for the Embassy. Do not leave a gap in the spreadsheet. (1 mark)
- (f) Save the file as **ATTENDANCE** and print a copy showing the formulae. (1 mark)
- (Note: You will probably need to print it in landscape format)
- (g) Create a bar chart to show the average attendance for each day. Label the axes and give the chart a suitable title. (4 marks)
- (h) Save the file as **CHART1** and print a hard copy. (1 mark)
- (i) Create a pie chart to show the total attendance for each cinema. Give the chart a suitable title and a legend. The data labels should show the percentage of total attendance for each item. (4 marks)
- (j) Save the file as **CHART2** and print a hard copy. (1 mark)