



# UVA WELLASSA UNIVERSITY

DEPARTMENT OF COMPUTER SCIENCE & TECHNOLOGY

END SEMESTER EXAMINATION – SEMESTER I – 2007/2008

CST101-3 INFORMATION TECHNOLOGY - PART B (G1-G2)

Time Allowed: 1 ½ HOURS

Answer All Questions

- Q1:
1. Import the data from `z:\source\G1.txt` to Excel  
*Hint: Data is separated with commas*
  2. Plot **Voltage** and **Power** against **Current** in a Scatter chart
  3. Apply a **secondary axis** to Power
  4. If necessary, change the minimum and the maximum values of the axes appropriately
  5. Display the **vertical major gridlines**
  6. Find the relationship between current and voltage
  7. What can you say about the resistance(R) of this circuit?

*Hint: Voltage=Current \* Resistance*

- Q2:
1. Create a Table of content for the document `z:\source\Q2.docx`  
Use the following Table of Content as a guide line

<b>SOLAR ENERGY</b> .....	2
ENERGY FROM THE SUN .....	3
TYPES OF TECHNOLOGIES .....	4
<i>Agriculture and horticulture</i> .....	4
<i>Architecture and urban planning</i> .....	5
<i>Solar lighting</i> .....	6
<i>Solar thermal</i> .....	6
Water heating .....	7
Heating, cooling and ventilation .....	8
Process heat .....	9
Cooking .....	10
Desalination and disinfection .....	10
<i>Electricity generation</i> .....	11
Photovoltaics .....	11
Concentrating solar .....	13
Updraft tower .....	15
<i>Solar vehicles</i> .....	15
<i>Solar chemical</i> .....	16
<i>Solar mechanical</i> .....	17
ENERGY STORAGE .....	17
DEVELOPMENT, DEPLOYMENT AND ECONOMICS .....	19

2. Create a Table of Figures