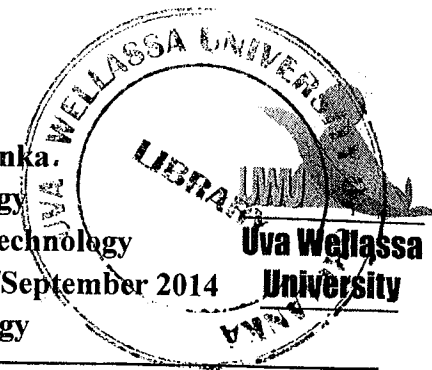


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Uva Wellassa University of Sri Lanka.
Faculty of Science and Technology
Department of Computer Science and Technology
1st Year 1st End Semester Examination August/September 2014
ESS 103-2 Information Technology



- Answer all questions.
- Time Allocation: Two (02) hours.
- All resource files are available in your Z drive.
- Save your work in the Z drive with your examination number.
- ZIP all files together and rename the ZIP file with your examination number, then upload to the CMS.
(e.g. UWU_EX_13_0001)
- Removable storage devices / drivers are not allowed.

1. Open the given MS Word document and save it with your examination number.
 - a. Type the following paragraph at the beginning of the given document and then apply the following formatting and edit the document.

Introduction

The teaching of computer literacy to all students is of increasing importance as the dramatic increase in the use of the computer has come to the point that its use for a range of learning tasks is now a basic learning skill, as much as taking notes or reading texts. There have been numerous studies such as that by Tapper (1997) which focus on the development of these skills in a single subject. There is a need, however to consider how these skills can be developed across the entire institution in a consistent and cost-effective manner (Ferren, 1993). This should be done in a way that motivates and empowers students to use these skills in the most effective manner possible so that students' prior experiences can be effectively acknowledged and built upon (Lee, Pliskin, & Kahn, 1994).

- i. Change the font type to "Consolas"
 - ii. Justify the paragraph.
 - iii. Insert a border to the paragraph
 - iv. Change the font color to green.
- a. Apply the headings as given below for the following topics
 - Computer Literacy in Higher Education - **Heading 1.**
 - Introduction - **Heading 3.**
 - Defining Computer Literacy - **Heading 2.**
 - Teaching Computer Literacy - **Heading 2.**
 - c. Insert a new blank page into your document and insert **Table of Content.**

d. Insert **Index** using the following keywords.

- literacy
- Education
- information
- University
- computer
- emergent

Hint - you can find words by clicking "Find Option" or by clicking (Ctrl + F).

(30 mark)

1. Given below is a results sheet prepared by Grade 7 Class teacher of Madagedara Central Collage.

F13		fx					
	A	B	C	D	E	F	G
1	Name	Sub 1	Sub 2	Sub 3	Total	Average Grade	
2	Gihani	60	62		75		
3	Dinesh	70	73		86		
4	Sangeeth	55	61		58		
5	Shani	80	70		82		
6	Ruwani	10	7		12		
7	Samadhi	20	35		48		

She uses the following grading scale to evaluate student grades,

Mark range	Grade
Below 30	E
31-49	D
50- 59	C
60-74	B
Above 75	A

Note: Write appropriate function to get the output

- a. Enter the grades of the students into the grade column using the vlookup table.
Hint: Create a lookup table and use absolute cell reference.
- b. What is the average mark obtained by the student who obtain the highest mark? (Enter the answer into the cell "J16")
- c. How many students have got above 75 for sub 3 and above 70 for sub 2? (Enter the answer into the cell "J17")

- d. Teacher needs to enter a remark for each student in the H column under the name **Remarks**.

You need to help her by entering the remarks based on the following table.

If the student has got an "E"	Try harder
If the student has got a "D"	Improve more
If the student has got a "C"	Good
If the student has got a B"	Very good
If the student has got an "A"	Excellent

- e. How many students have obtained a total less than 180? (Enter the answer into the cell "J18")

(35 mark)

2. Create the following tables on a new Access database, to store the marks of the Mathematics subject.

Table Name - TblStuDetails

Field name	Data type	Description
sId	10 digits	Student ID
dateOfBirth	date/time	Student Birth date
sName	25 characters	Student Name
sAddress	45 characters	Student Address

Table Name – TblMarks

Field name	Data type	Description
sId	10 Digits	ID of the student
mark	Double	Mark for the student

- Set the field "sId" as the primary key for both tables.
- Create a relationship between these 2 tables in order to maintain referential integrity.
- Insert at least 5 sample data for each table.
- Generate a report with "sId" and "mark". Report should be sorted according to mark.
- Create a query to show "sID", "sName" and "mark" those who have obtained mark greater than 40 and.

(35 mark)

