EASTERN UNIVERSITY, SRI LANKA

FIRST EXAMINATION IN SCIENCE –2011/2012

FIRST SEMESTER (Jan./Feb., 2014)

CC 152 – INTRODUCTION TO APPLICATION SOFTWARE

(PRACTICAL)

(PROPER & REPEAT)

Answer all questions   Time allowed: 02 hours

Q1)

1. Create a folder on the desktop and name it with your **Index number**.

2. Create a sub folder called "**CC152_Exam**" inside your index numbered folder.

3. Create three sub folders as "**Word**", "**Excel**", and "**Access**" within the folder "**CC152_Exam**".

4. Create the following document using Microsoft Word and save it as "*Question1.docx*" inside the folder "**Word**" and set the page to "A4" size. Insert *Your_Index_Number* as Footer.
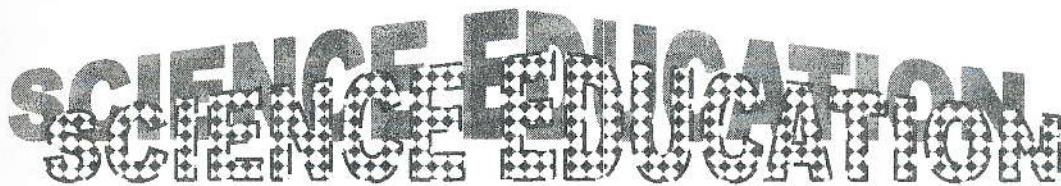
S cience education is the field concerned with *sharing science content and process* with individuals not traditionally considered part of the scientific community. The target individuals may be children, college students, or adults within the general public.

The field of science education comprises
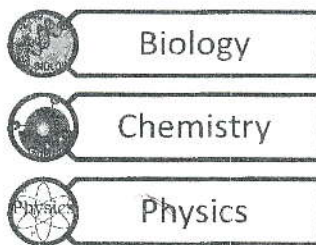
science content,

some social science, and some teaching pedagogy. The standards for science education provide expectations for the development of ~~understanding for students through the entire course. their K-12 education.~~

Tab Exercise:

Item	Quantity	Unit Price	Price
Computer	10	45,000.00	450,000.00
Printer	3	15,000.00	45,000.00
Scanner	3	8,500.00	25,500.00
Pen drive	15	1,500.00	22,500.00
Total			543,000.00

CC 152   Feb 2014

Numeric				Numbers
Roman	NUMBERS			
	Bullet		TABLE DESIGN	
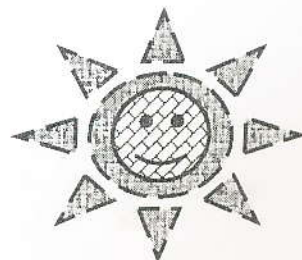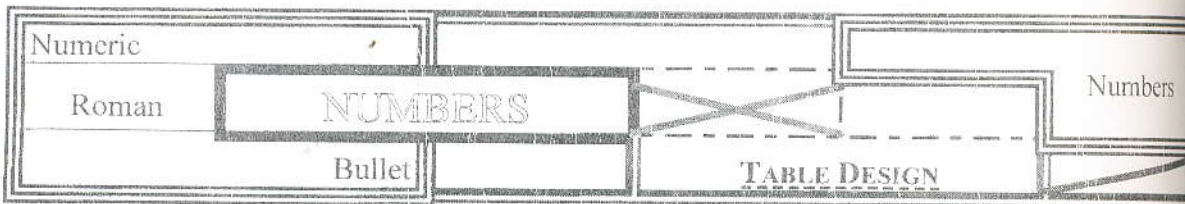
List:

1. Working with Documents
    1.1. Creating a New Document
    1.2. Saving a Document
2. Formatting
    2.1. Formatting Text
    2.2. Formatting Paragraph
        2.2.1. Change Paragraph Alignment
        2.2.2. Indent Paragraphs
3. Styles
    3.1. Apply a style
    3.2. Create New Styles
        3.2.1. New Style
        3.2.2. New Quick Style
    3.3. Style Inspector

$$f(t) = \frac{1}{t\sigma'\sqrt{2\pi}} e^{-\frac{1}{2}\left(\frac{ln(t)-\mu}{\sigma'}\right)^2}$$

Q2)

Create the following worksheet using MS Excel and save it as "**Question2.xlsx**" into the fold "*Desktop\ Your Index Number \ CC152_Exam\ Excel*".

No.	Index No.	Name	Assessment 1	Assessment 2	Assessment 3	Final Marks	Best 2 Ass. (30%)	Final Marks (70%)	Total	Grade
					CC152 Marks Sheet					
1	PS1045	Mr.R.Rahu	78	75	68	65				
2	PS1050	Mr.A.Saleem	56	65	65	55				
3	BS940	Ms.P.Dhausha	45	85	45	54				
4	PS1060	Mr.A.L.Sumesh	70	75	60	62				
5	PS1061	Ms.B.Sulogini	25	35	30	30				
6	BS972	Ms.T.Praba	45	26	26	36				
7	BS980	Mr.R.Suman	65	54	36	75				
8	PS1065	Mr.T.Pushpakumara	12	25	20	18				
9	PS1066	Mr.A.Tharani	36	22	45	65				
10	PS1068	Ms.S.Vijaya	41	15	25	54				
11	BS975	Mr.E.Vinothan	72	36	32	35				
12	PS1075	Mr.M.S.Kumara	66	55	54	50				

Summary	No. of Students	Eligibile Students
Physical Science		
Bio Science		
Total		

a) Fill the "**Best 2 Ass. (30%)**" column with 30% of the sum of best two assessment marks using suitable functions. (e.g. for PS1045, [78+75]*30%)
b) Fill the "**Final Marks (70%)**" column with 70% of "Final Marks".
c) Find the total marks into "**Total**" column.
d) Calculate the grades obtain by student using given criteria.

Criteria	Grade	Criteria	Grade
marks > =80	A+	55 > marks >= 50	C+
80 > marks >= 75	A	50 > marks >= 45	C
75 > marks >= 70	A-	45 > marks >= 40	C-
70 > marks >= 65	B+	40 > marks >= 35	D
65 > marks >= 60	B	35 > marks >= 30	E
60 > marks >= 55	B-	30 > Marks	F

e) Find the rank of student according to the "Total".
f) Fill the summery using suitable functions.
   (α) Find the total number of "Physical Science" students and "Bio Science" Students.
   (β) Find the number of eligible student of "Physical Science" and "Bio Science" those who obtain grade above "E".
   (χ) Find the total number of student and eligible students.
g) Draw a clustered column chart for Index No. Vs Total, and title it as "CC152- Marks Distribution". Your chart should include the following:
   - The axis titles for both X and Y axis.
   - The Legend should not be shown in the graph.
   - Move the chart to a new sheet and name the sheet as Marks Distribution.

Q3)

Create a database using MS Access with the name 'Question3' and save it into the folder "Desktop\ Your Index Number \ CC152_Exam\ Access\". Design the following two tables under this database with the following data types.

Field Name   Data Type

Index_No   text
Full_Name   text
Sex   lookup wizard
Date_of_Birth date/time (Medium Date)
City   text
Course_Name   lookup wizard
Year   number
Average   number

Table: Students

Index_No	Full_Name	Sex	Date_of_Birth	City	Course_Name
PS 100	Ramanan Kannan	Male	01/12/1987	Batticaloa	Physical Science
PS 101	Karthiga Kumar	Female	13/09/1988	Trincomalee	Physical Science
PS 102	Samila Hussain	Female	25/04/1987	Kurunagala	Physical Science
BS 204	Kamal Perera	Male	04/06/1987	Colombo	Bio Science
BS 205	Vikum Sugathapala	Male	08/12/1988	Polannaruwa	Bio Science

Table: Result

Index_No	Year	Average
PS 100	1	89
PS 100	2	67
PS101	1	89
PS101	2	78
PS101	3	90
PS102	1	67
PS102	2	70
BS 204	1	56
BS 204	2	89
BS 205	1	78
BS 205	2	56

Create queries for the following statements and save them as Query1, Query2, ...etc.:

Query1). List full name and course name of all students

Query2). List full name and date of birth of all female students who are following Physical Science course.

Query3). List index number and second year average of all students.

Query4). List the full name and city of all students who have completed their third year exam.

Query5). List the full name, index number and average of all male students.