



Eastern University, Srilanka
External Degree Examination in Science
First Year First Semester (2004/2005)
May/July, 2008
CC101- Fundamentals of computer systems
(Proper and Repeat)

Answer all questions

Time: One hour

Question 01)

- a)
- What is meant by the base of a number system?
 - What is the value of the base for (i) Hexadecimal. (ii) Binary. (iii) Octal.
 - Convert 1101011_2 into Decima, Octal, Hexadecimal.
 - Give the full form of the following abbreviations. (i) BCD. (ii) ASCII.
- b)
- What is the difference between Internet and Intranet?
 - What are the hardware devices and software used for internet connection?
 - What is meant by school net?
 - What are the meaning of the following domain names?
.com, org, .net, .gov, .nl, .in
- c) Explain how do you organize a power point presentation as a teaching aid for your lesson in a class room. (Select own topic of your lesson, time duration of the lesson and grade)
(You must regard how to start, how to prepare slides, how to insert charts, pictures, tables, selecting suitable fonts and colour and suitable animations etc. in your answer.)

Question (02)

- (a)
- What is meant by "HTML"?
 - Give the meanings of the following HTML tags
<HEAD> and </HEAD>, <TITLE> and </TITLE>, <BODY> and </BODY>, <H1>,
, <P>, ,
 - Write the output of following HTML commands,
<HTML>
<!--This is the head of the page-->
<HEAD>
<TITLE>
This is my first web page
</TITLE>
</HEAD>
<!--This is the body of the page-->
<BODY>
<H1>
Welcome to colleges of education
</H1>
</BODY>
</HTML>

(b)

(1) What is meant by the following Excel Functions?
ABS(), COUNTIF(), MAX(), LEN(), RANK()

(11) Write an excel formula to offer grades for the ranges of marks as indicated below

Range of Marks	Grade
More than or equal 75	A
Between 74 and 65	B
Between 64 and 55	C
Between 54 and 40	S
Less than 40	F

Table (1)

(111) Write steps taken to draw a pie chart in an excel work sheet using table (2)

Name	Subject 1	Subject 2	Subject 3
Piyal	58	68	45
Wimal	90	85	78
Kamal	47	69	53

Table (2)

(c)

(1) Write down five Data types of a Microsoft Access Data Base.

(11) What is meant by Primary Key in the Microsoft Access Data Base and what is the use of Primary Key?

(111) Your principal wants to prepare a database for the school office.

(a) Why do you select several tables for this task?

Write the fields that you need for designing one of the tables mentioned in this

(b) Briefly explain how you can create one of the above tables using MS Access.