CERTIFICATE IN INFORMATION TECHNOLOGY

Term-End Practical Examination

December, 2012   00321

CITL-001(P) : LABORATORY COURSE
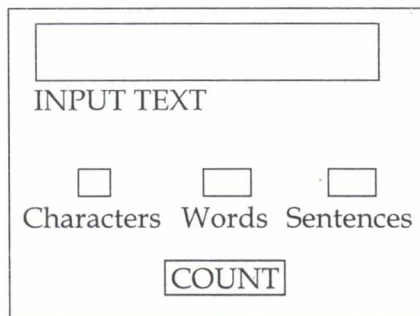
Time allowed : 3 hours   *Maximum Marks : 50*
                                                            (Weightage : 75%)

Note :   *There are **two compulsory** questions in this paper of **20** marks each. Rest **10** marks are for **viva-voce**. Make suitable assumptions, if any.*

1.   (a)   Write a program in 'C' language to multiply two matrices of numbers of size   **10**
            3×3.

     (b)   Create your resume (Biodata) using the Resume Wizard of MS-Word. Write its   **10**
            steps.

2.   Write a Java Applet program, which provides number/text areas as given below. Make   **20**
     a button "COUNT" counts the number of words, characters and sentences of the given
     text.

Java Applet

CERTIFICATE IN INFORMATION TECHNOLOGY
Term-End Practical Examination
December, 2012   00771

CITL-001(P) : LABORATORY COURSE

Time allowed : 3 hours   *Maximum Marks : 50*
                                                     (Weightage : 75%)

Note :   *There are* **two compulsory** *questions in this paper of* **20** *marks each. Rest* **10** *marks are for* **viva-voce**. *Make suitable assumptions, if any.*

1. (a)   Write a program in 'C' - Language using function, to generate the reverse of an input string.   **10**

    (b)   Create the following excel sheet : (Enrollment number is given for students)   **10**

En - No.	Course - 1	Course - 2	Course - 3	Course - 4	Total	Percentage
1234						
1436						
1326						
1818						
2310						

Assume, each course is of 100 marks maximum. Weightage of course are as given below ; to calculate the total mark and percentage of each student.

Course - 1 : 40%
Course - 2 : 50%
Course - 3 : 60%
Course - 4 : 70%

2.   Write a Java applet program, which calculates the simple interest (SI) in the applet as shown below.   **20**

SI = [   ]

☐   ☐   ☐
P   R   M   , $SI = \dfrac{P \times R \times M}{100 \times 12}$, where

[OK]   [Cancel]

P = Principle amount
R = Rate of Interest Annual
M = No. of Month

CERTIFICATE IN INFORMATION TECHNOLOGY

Term-End Practical Examination

December, 2012

00893

CITL-001(P) : LABORATORY COURSE

Time allowed : 3 hours

Maximum Marks : 50
(Weightage : 75%)

Note : There are **two compulsory** questions in this paper of **20** marks each. Rest **10** marks are for **viva-voce**. Make suitable assumptions, if any.

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1. Write a program in 'C' language using functions, to compute $\dfrac{X^n}{n!}$,where $0 < n \le 25$. **20**

   Make separate functions for calculating X^n and $n!$. The program must promt appropriate message to the user in case of any invalid entry or possible errors.

2. (a) Create a Bank Database with the following fields using MS - Access. **10**

   - Account Number
   - Account type
   - Customer Name
   - Joint Member (If any)
   - Address
   - Telephone No.
   - Balance
   - PAN Number

   Add atleast three records in each field. Create a form consisting of all fields of the Bank. **10**

   (b) Design a web page that shows details of programmes run by an university, which includes programme duration, fees, advantages, admission process, and contact details.