

**MCA (Revised)**  
**Term-End Practical Examination**  
**December, 2006**

**MCSL-016 : INTERNET CONCEPTS AND WEB DESIGN**

Time allowed : 2 hours

Maximum Marks : 50

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**Note :** There are two questions in this paper carrying 20 marks each. 10 marks are for viva-voce.

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1. Create a form in HTML to fill up an examination form and perform the validation checks using JavaScript. 20
- Name : Text Box
  - Program : Combo Box
  - Enrolment Number : Text Box
  - Subject Code : Combo Box
- Note :**
- (i) Enrolment Number should be minimum of 10 digits.
- (ii) Subject Code should be alphanumeric, not exceeding six characters.
2. Write a code in HTML to design a page with two frames. The frames should remain proportionate even when the page is resized. 20



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1. Design a web page having a form as given below to purchase a plane ticket : 20

- Flight Number — Text Box
- Starting from — Combo Box
- Destination — Combo Box
- Credit Card — Text Box
- Date of journey — Combo Box  
(one for each :  
day, month and year)

Also perform validation checks on Flight Number, Date of journey and Credit Card (it should not exceed 15 digits) using VBScript.

2. Create a home page of your regional centre in the following format : 20

Regional Centre Information	
Program link	Information
No. of Study Centre	
Examination related matters	

On clicking these links, appropriate information should be displayed in the Information column.



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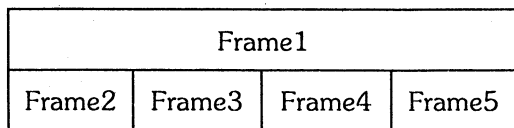
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1. (i) Write HTML code to develop a web page with the following format :



- (ii) Create a text box in frame 2, 3 and 4 and a text box and a button in frame1.
  - (iii) Clicking the button in frame1, addition of numbers given in frame2, frame3 and frame4 should be displayed in frame1.
  - (iv) Insert an image in frame5. 20
2. Using JavaScript, create a web page having 3 image files inserted on it, which switch between one another as the mouse points over the image and also its background colour changes. 20



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1. Write HTML code to generate the following output :

20

City \ Weather	Today's Weather	
	Max.	Min.
Delhi		
Shimla		
Srinagar		

2. Create a form in HTML containing the following fields and perform the validation of each field using VBScript.

20

- Credit Card number : Text
- Password : Text
- Amount to be withdrawn : Text

**Note :**

- (i) Credit Card number must be of 10 digits.
- (ii) Password must be minimum of 4 digits.
- (iii) Amount to be withdrawn should not exceed 15,000/- at a time.



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**MCSL-017 : C AND ASSEMBLY LANGUAGE  
PROGRAMMING**

Time allowed : 2 hours

Maximum Marks : 50

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**Note :** There are two parts (C Programming and Assembly Language Programming) in this paper. Each part is for 1 hour duration. Attempt only that part(s) in which you are not successful as yet.

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**PART I**  
**C Programming**

**Note :** Answer the following question. It carries 20 marks and the viva-voce is for 5 marks.

1. Write an interactive C program which will read-in five student records and print them in sorted order. Each record should be represented by a C structure having the members for the first name, last name and student roll\_number (an integer). Sort the records by their **first name**. You can read-in the information from the console or from a file. 20

**PART II**  
**Assembly Language Programming**

**Note :** Answer the following question. It carries 20 marks and the viva-voce is for 5 marks.

2. Write a program in assembly language which will read-in four decimal inputs and print out their sum and the average in decimal numbers. 20



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**PART I**  
**C Programming**

**Note :** Answer the following question. It carries 20 marks and the viva-voce is for 5 marks.

1. Write an interactive C program that reads character strings from the standard input (keyboard) and prints them in the reverse. Use pointers. 20

**PART II**  
**Assembly Language Programming**

**Note :** Answer the following question. It carries 20 marks and the viva-voce is for 5 marks.

2. Write an assembly language program that will take three decimal inputs and display the minimum of them. 20



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**PART I**  
**C Programming**

**Note :** Answer the following question. It carries 20 marks and the viva-voce is for 5 marks.

1. A baby creche charges Rs. 4/- per hour until 9.00 PM, Rs. 3/- per hour between 9.00 PM and midnight, and Rs. 3.50 per hour after midnight. Write a program that reads the creche starting time in hours and minutes and the ending time in hours and minutes and then computes the baby-sitter's fee. 20

**PART II**  
**Assembly Language Programming**

**Note :** Answer the following question. It carries 20 marks and the viva-voce is for 5 marks.

2. Write an assembly language program which will read-in decimal numbers as input repeatedly until a zero value is entered and print the sum of all the digits entered. 20



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**PART I**  
**C Programming**

**Note :** Answer the following question. It carries 20 marks and the viva-voce is for 5 marks.

1. (a) Write an interactive C program to compute the product of two matrices of size  $n \times m$  and  $m \times k$ . 10
  
- (b) Write a program that reads a line (string of alphabets) from the keyboard, converts them to lower case, separates the line into different words which are to be printed on separate lines. 10

Example : THIS IS A MANGO.

Output :

this  
is  
a  
mango

**PART II**  
**Assembly Language Programming**

**Note :** Answer the following question. It carries 20 marks and the viva-voce is for 5 marks.

2. Write an assembly language program to compute the product of two decimal inputs. 20