Scheme – I

Question Paper Profile

Program Name : **Diploma in Engineeering Group**

Program Code : **CO / CM / CW / IF**

Semester : **Fifth**

Course Title : **Clint Side Scripting Language** (Elective)

Marks : **70**

22519

Time: 3 Hrs.

Instructions:

(1) All questions are compulsory.

(2) Illustrate your answers with neat sketches wherever necessary.

(3) Figures to the right indicate full marks.

(4) Assume suitable data if necessary.

(5) Preferably, write the answers in sequential order.

Q.1) Attempt any FIVE of the following.   **10 Marks**

a) State the use of dot syntax in JavaScript with the help of suitable example.

b) List and explain Logical operators in JavaScript.

c) Write a JavaScript that identifies a running browser.

d) Write a JavaScript that initializes an array called "Fruits" with names of five fruits. The script then displays the array in a message box.

e) Give syntax of and explain the use of "with" statement/clause in JavaScript using suitable example.

f) Enlist and explain the use of any two Intrinsic JavaScript functions.

g) State and explain what is a session cookie ?

Q.2) Attempt any THREE of the following.   **12 Marks**

a) Write syntax of and explain prompt method in JavaScript with the help of suitable example.

b) Write a JavaScript program which compute, the average marks of the following students Then, this average is used to determine the corresponding grade.

Student Name	Marks
Advait	80
Anay	77
Manyata	88
Saanvi	95
Saachi	68

The grades are computed as follows :

Range	Grade
<60	F
<70	D
<80	C
<90	B
<100	A

   c) Write a JavaScript that displays all properties of window object. Explain the code .

   d) Write a JavaScript function that checks whether a passed string is palindrome or not.

Q.3) Attempt any THREE of the following.   **12 Marks**

   a) Differentiate between concat() and join() methods of array object.

   b) Write a JavaScript function to count the number of vowels in a given string.

   c) Write a JavaScript that find and displays number of duplicate values in an array.

   d) Write a function that prompts the user for a color and uses what they select to set the background color of the new webpage opened .

Q.4) Attempt any THREE of the following.   **12 Marks**

   a) State what is a regular expression? Explain its meaning with the help of a suitable example.

   b) Write a webpage that accepts Username and adharcard as input texts. When the user enters adhaarcard number ,the JavaScript validates card number and diplays whether card number is valid or not. (Assume valid adhaar card format to be nnnn.nnnn.nnnn or nnnn-nnnn-nnnn).

   c) Write the syntax of and explain use of following methods of JavaScript Timing Event.

       a. setTimeout()

       b. setInterval()

   d) Develop JavaScript to convert the given character to Unicode and vice versa.

   e) List ways of Protecting your webpage and describe any one of them.

Q.5) Attempt any TWO of the following.   **12 Marks**

   a) Write HTML Script that displays textboxes for accepting Name, middlename, Surname of the user and a Submit button. Write proper JavaScript such that when the user clicks on submit button

       i)   all texboxes must get disabled and change the color to "RED". and with respective labels.

ii) Constructs the mailID as <name>.<surname>@msbte.com and displays mail ID as message. (Ex. If user enters Rajni as name and Pathak as surname mailID will be constructed as rajni.pathak@msbte.com) .

b) Write a webpage that diplays a form that contains an input for Username and password. User is prompted to enter the input and password and password becomes value of the cookie. Write The JavaScript function for storing the cookie . It gets executed when the password changes.

c) Write a script for creating following frame structure :

FRAME1	
FRAME2 • FRUITS • FLOWERS • CITIES	FRAME3

Fruits, Flowers and Cities are links to the webpage fruits.html, flowers.html, cities.html respectively. When these links are clicked corresponding data appears in "FRAME3".

Q.6) Attempt any TWO of the following. **12 Marks**

a) Write HTML Script that displays dropdownlist containing options NewDelhi, Mumbai, Bangalore. Write proper JavaScript such that when the user selects any options corresponding description of about 20 words and image of the city appear in table which appears below on the same page.

b) Develop a JavaScript Program to Create Rotating Banner Ads with URL Links.

c) Create a slideshow with the group of four images, also simulate the next and previous transition between slides in your JavaScript.

Scheme – I

Sample Test Paper - I

Program Name	: **Diploma in Engineeering Group**
Program Code	: **CO / CM / CW / IF**
Semester	: **Fifth**
Course Title	: **Clint Side Scripting Language** (Elective)
Marks	: **20**

22519

Time: 1 Hour

Instructions:

(1) All questions are compulsory.

(2) Illustrate your answers with neat sketches wherever necessary.

(3) Figures to the right indicate full marks.

(4) Assume suitable data if necessary.

(5) Preferably, write the answers in sequential order.

Q.1) Attempt any FOUR.   **08 Marks**

   a) Describe all the tokens of the following statements :

       i.   document.bgColor

       ii. document.write()

   b) Differentiate between prompt() and alert() methods.

   c) State use of getters and setters

   d) State and explain any two properties of array object

   e) Write a JavaScript that displays first 20 even numbers on the document window.

Q.2) Attempt any THREE.   **12 Marks**

   a) Write a program to print sum of even numbers between 1 to 100 using for loop.

   b) Write a JavaScript function to insert a string within a string at a particular position

   c) Generate college Admission form using html form tag

   d) State the use of following methods.

       i.   charCodeAt()

       ii. fromCharCode()

Scheme – I

Sample Test Paper - II

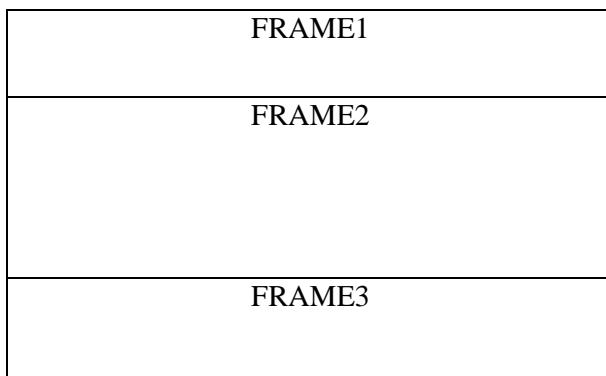|		
Program Name	**: Diploma in Engineeering Group**	
Program Code	**: CO / CM / CW / IF**	**22519**
Semester	**: Fifth**	
Course Title	**: Clint Side Scripting Language** (Elective)	
Marks	**: 20**	**Time: 1 Hour**

Instructions:

(1) All questions are compulsory.

(2) Illustrate your answers with neat sketches wherever necessary.

(3) Figures to the right indicate full marks.

(4) Assume suitable data if necessary.

(5) Preferably, write the answers in sequential order.

Q.1) Attempt any FOUR.   **08 Marks**

a) Design the frameset tag for following frame layout :

```
+------------------------------------------+
|                FRAME1                    |
+------------------------------------------+
|                FRAME2                    |
|                                          |
|                                          |
|                                          |
+------------------------------------------+
|                FRAME3                    |
|                                          |
+------------------------------------------+
```

b) State the method to put message in web browser status bar?

c) Construct regular expression for validating the phone number in following format only :

(nnn)-nnnn-nnnn OR nnn.nnnn.nnnn

Q.2) Attempt any THREE.   **12 Marks**

a) Write a JavaScript that creates a persistent cookies of Itemnames. Write appropriate HTML script for the same.

b) Write a JavaScript function to check whether a given value is valid IP value or not

c) Write a JavaScript program to create rollover effect for three images.

d) Write a JavaScript program that create a scrolling text on the status line of a window.