## DAYANANDA SAGAR COLLEGE OF ENGINEERING
*(An Autonomous Institute Affiliated to VTU, Belagavi)*
ShavigeMalleshwara Hills, Kumaraswamy Layout, Bengaluru-560078
**Department of Information Science and Engineering**
**Internal Assessment Test - III**

| Course:B E/Programming the Web | Course Code: 17IS7IEPTW |
|---|---|
| Semester: 7th | Maximum marks: 50 |
| Date:6-1-2021 | Duration: 90 Mins |

**Mapping:**

| Question No. | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|
| Course Outcome | | CO2,5 | CO2 | CO2, 5 | CO2,4,5 | CO2, 5 | CO2, 5 |
| Program Outcome | | 1,2 | 1,2 | 1,2 | 1,2 | 1,2,3 | 1,2 |
| Blooms Level | | 3 | 3 | 3 | 4 | 4 | 4 |

(Question Number 1, 2 and 3 are Compulsory, Answer one full question from 4 or 5 and 6 or 7)    **Marks**

**1 A**  Which of the following statements is/are TRUE about DOM?    **1x10**
   a. W3Cstandard
   b. Each page can have multiple Document objects
   c. form elements can be accessed using the form object
   d. Both A and C

**B**  How are the objects organized in the HTML DOM?
   a. List
   b. Stack
   c. Queue
   d. Hierarchy

**C**  Which are the main features of XML?
   a. Text data description
   b. Human- and computer-friendly format
   c. Handles data in a tree structure having one-and only one-root element
   d. All mentioned above

**D**  XML stands for?
   a. Extensible Markup Language
   b. Extended Mashup Language
   c. Extensible Mashup Language
   d. X-Markup Language

**E**  XML attribute values must always be enclosed in quotes
   a. True
   b. False

**F**  In XML document comments are given as?
   a. < !-- --!>
   b. < !-- ?
   c. < /-- -->
   d. < ?-- ?

**G**  Which of the following is used in perl?
   a. else if

b. elseif

c. elsif

d. elif

H     When a string is used for numeral computations, perl converts it into

       a. character

       b. floating point number

       c. number

       d. Boolean value

I     Scalar is denoted by_____in Perl.

       a. #

       b. $

       c. %

       d. ^

J     What will be the value in the variable $a after these two statements: $a = "Happy"; $a = "Sunday";?

       a. "Happy Sunday"

       b. "HappySunday"

       c. "Happy"

       d. "Sunday"

| | | |
|---|---|---|
| 2 | Discuss the different categories of variables of perl with example. | 10 |
| 3 | Define Event, event handler and event driven programming. Also discuss event and their tag attributes. | 10 |
| 4 | Elaborate oncommunication configuration of CGI. | 10 |

**(OR)**

| | | |
|---|---|---|
| 5 | Develop a JavaScript to design a simple calculator to perform the following operations: sum, product and difference. | 10 |
| 6 | Illustrate some features of perl program:<br>Consider:<br>Input: a file of lines of employee data, where each line as name:age: department code: salary.<br>Output : 1. The name of all employees whose name end with "Singh"<br>          2: percentage of employees under 30 years old.<br>          3: Average salary of employees under 30 years old. | 10 |

**(OR)**

| | | |
|---|---|---|
| 7 | Design an XML document to store information about a student in an engineering college affiliated to VTU. The information must include USN, Name, and Name of the College, Branch, Year of Joining, and email id. Make up sample data for 3 students. Create a CSS style sheet and use it to display the document. | 10 |