Roll No. …………………..

MCA–21

Advanced Web Technology

Master of Computer Application (MCA-11/16/17)

Sixth Semester, Examination, 2018

Time : 3 Hours **Max. Marks : 80**

Note : This paper is of **eighty (80)** marks containing **three (03)** Sections A, B, C. Attempt the questions contained in these Sections according to the detailed instructions given therein.

Section–A

(Long Answer Type Questions)

Note : Section 'A' contains four (04) long answer type questions of nineteen (19) marks each. Learners are required to answer *two* (02) questions only.

1. How to connect mysql database in ASP ? Explain using insert, select, delete, update query.

2. Explain with the help of an example how XML data can be viewed on browser with the help of JavaScript.

3. List the HTML elements that you need to create a table and explain how each element is used.

4. Write the HTML code to generate a Web Page in the format given below and consider the following while writing the HTML code :

    (i) Background color of the page should be "Cyan".

(ii)   Text style should be Comic Sans MS and color should be Red.

(iii) Insert any picture at the top left of the page.

(iv)   Table should have a border of color blue.

(v)   Use the concept of nested lists for creating the list given in the web page with specified bullets.

(vi)   Pages linked to :

    (a)   Sports Activities as "Active.html"

    (b)   Activity based learning as "SActive.html"

(vii) Bottom message should be of size 2.

We enjoy science and technology, maths activities and creative art during our play time.

We offers the following activities :

(i)   Sports Activities :

    (a)   Football

    (b)   Dance

(ii)   Activity based learning :

    (a)   Project Based Learning

    (b)   Reasoning

Activity Charges

Activity	Monthly Charges
Footbal	₹ 250
Dance	₹ 500
Project Based Learning	₹ 500
Reasoning	₹ 600

Section–B

(Short Answer Type Questions)

Note : Section 'B' contains eight (08) short answer type questions of eight (08) marks each. Learners are required to answer *four* (04) questions only.

1. What is the output of this code ?

    ```
    <script language=javascript type="text/javascript">
    var x = 5;
    document.write("<p>x before function call =" + x);
    test( );
    document.write("<p>x after function call = " + x);
    function test( )
    {
    var x = 1000;
    document.write("<p>x in function = " + x)
    }
    </script>
    ```

2. Differentiate between IF...THEN..ELSE and SELECT....CASE statements with the help of VB Script example.

3. Write an HTML code that will display a table of students name, roll number, total mark.

4. Create a form that contains two checkbox options and a textbox. When the user clicks on any checkbox any message must be displayed in the textbox. Write the HTML code for creating the form and the embedded VBScript code for the click events of the checkboxes.

5.   Differentiate between Intelligent Website and Static Website.

6.   What are unordered, ordered Nested List ? Explain each with example.

7.   What are the various font properties available in CSS ?

8.   Write a note on JavaScript data types.

Section–C

(Objective Type Questions)

Note : Section 'C' contains ten (10) objective type questions of one (1) mark each. All the questions of this Section are compulsory.

1.   Correct HTML tag for the largest heading is :

   (a)   <head>

   (b)   <h6>

   (c)   <heading>

   (d)   <h1>

2.   The attribute of <form> tag :

   (a)   Method

   (b)   Action

   (c)   Both (a) and (b)

   (d)   None of these

3.   Markup tags tell the web browser :

   (a)   How to organise the page

   (b)   How to display the page

   (c)   How to display message box on page

   (d)   None of these

4. An alternative of javascript on windows platform is :
   (a) VBScript
   (b) ASP.NET
   (c) JSP
   (d) None of the mentioned

5. What is document object model (DOM) ?
   (a) Convention for representing and interacting with objects in html documents
   (b) Application programming interface
   (c) hierarchy of objects in ASP.NET
   (d) None of the mentioned

6. Web pages starts with which of the following tags ?
   (a) <Body>
   (b) <Title>
   (c) <HTML>
   (d) <Form>

7. HTML is a subset of :
   (a) SGMT
   (b) SGML
   (c) SGMD
   (d) None of these

8. Which of the following is a container ?
   (a) SELECT
   (b) <Value>
   (c) <INPUT>
   (d) <BODY>

9.   \<STRONG>.....\</STRONG> indicates ....

    (a)   bold

    (b)   darkening

    (c)   bold italics

    (d)   None of the above

10. \<A>........\</A> tag creates ....

    (a)   anchors

    (b)   annotated text

    (c)   animated text

    (d)   aligned text