MCA-21

Advanced Web Technology

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

Sixth Semester Examination, 2019 (July)

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

Note : This paper is of Eighty (80) marks divided into three (03) sections A, B and 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 any two (02) questions only.

(2×19=38)

1. Create a form that contains two checkbox options and a textbox as shown below. When the user clicks on any checkbox the selected options must be dispalyed in the textbox. Write the HTML code for creating the form and

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the embedded VBScript code/Java script code for the click events of the checkboxes.

```
The Check Box Control - Click on a check box

Please select the cotegories that interest you.

☐   Movies

☐   Books

You have selected : books
```

2. What are the different ways to apply CSS to HTML ? What are the various font properties available in CSS? Give some examples .

3. Write a Student Registration Form in ASP to explain the usage of to explain the steps involved in connecting database in ASP. (Make suitable assumptions)

4. Write short note on the following HTML/DHTML tags with suitable example:

   (a)   Ordered & Unordered list

   (b)   BODY

   (c)   DIV

   (d)   MARQUEE

   (e)   FORM

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 any four (04) questions only.   (4×8=32)

1. Discuss the features of their properties, methods and events.

2. Explain different types of client/server model.

3. Justify the role of XML in electronic data interchange.

4. Give the overview of XML parsers.

5. What is XML Schema?

6. Explain the frames and table tags of HTML with suitable example.

7. Write a program in Java Script to show the usage of loops and control structures.

8. What is SOAP? Explain.

SECTION–C

(Objective Type Questions)

Note : Section 'C' contains ten (10) objective type questions of one (01) mark each. All the questions of this section are compulsory. (10×1=10)

1. The advantages of XML over HTML are

    (i)   It allows processing of data stored in web-pages

    (ii) It uses meaningful tags which aids in understanding the nature of a document

    (iii) Is simpler than HTML

    (iv) It separates presentation and structure of document

       (a)   (i), (ii) and (iii)

       (b)   (i), (ii) and (iv)

       (c)   (ii), (iii)and (iv)

       (d)   (i), (iii) and (iv).

2. The_____method requests data from a specified source.

    (a)   GET

    (b)   POST

    (c)   Both (A) &(B)

    (d)   None of the above.

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3. Symbol used at the beginning of the HERF text is _____

   (a) #

   (b) $

   (c) &

   (d) ^

4. SGML stands for_____

   (a) Standard General Mark Language

   (b) Security General Markup Language

   (c) Standard Generlizsed Markup Language

   (d) Standard Generalized Mark language.

5. Extensible Markup language (XML) tags are_____

   (a) Case Insensitive

   (b) Case Sensitive

   (c) Both (A) &(B)

   (d) None of the above.

6. Document Object Model (DOM) is a _____

   (a) Character User interface (CUI)

   (b) Application Programming interface(API)

   (c) Both (A) &(B)

   (d) None of the above.

7. What are varialbles used for java script programs ?

    (a)   Storing numbers, dates, or other values

    (b)   Varying randomly

    (c)   Causing high school algebra flashblacks

    (d)   None of the above

8. HTML is what type of language?

    (a)   Scripting language

    (b)   Markup Language

    (c)   Programming Language

    (d)   Network Protocol

9. HTML uses

    (a)   User defined tags

    (b)   Fixed tags defined by the language

    (c)   Tags only for linking

    (d)   Linking tags only

10. What is the difference between XML and HTML?

    (a)   XML is used for exchanging data, HTML is not

    (b)   HTML is used for exchanging data, XML is not

    (c)   HTML can have uesr defined tags, XML cannot

    (d)   Both (b) and (c) above.

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