

SEAT No. _____

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[50]

SARDAR PATEL UNIVERSITY

April-2022

B.C.A. IInd - Semester Examination

Subject Code: US02BCA52

Subject Title: Web Application Development – II

26-04-2022, Tuesday



Time: 12:00 P.M. To 02:00 P.M.

Max. Marks – 70

Q.1 Give Answers of Following Multiple Choice Questions.

[10]

- I. The main use of Client-side scripts is _____
(A) Data input in form (B) Data validation
(C) Display messages (D) None of These
- II. _____ is a needed to execute a server-side script.
(A) Browser (B) Client
(C) Server (D) Web server
- III. The scripts which executes based on user action or some condition are written in _____
(A) CSS (B) JavaScript
(C) PHP (D) ASP
- IV. Which of the following is an invalid data type?
(A) Number (B) String
(C) Boolean (D) VarChar
- V. How many operands are required for operator ++?
(A) One (B) Two
(C) Three (D) Four
- VI. Which operator is used to concatenate two strings?
(A) + (B) ++
(C) += (D) None of these
- VII. The _____ method returns the largest value from the list.
(A) max() (B) abs()
(C) min() (D) None of these
- VIII. The _____ object allows you to perform mathematical tasks.
(A) String (B) Array
(C) Math (D) None of these
- IX. _____ property returns the string value entered in the textbox by the user.
(A) readonly (B) length
(C) src (D) Value
- X. _____ event occurs when an element gets focus.
(A) onclick (B) onblur
(C) onfocus (D) None of these

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Q.2 Fill in The Blanks And True-False.

[08]

- I. JavaScript is an _____ language.
- II. NaN means _____.
- III. The _____ property returns the number of characters in a string.
- IV. The topmost object in the DOM is _____.
- V. Client Side scripts are executed by the Browser. **[True/False]**
- VI. Fixed or constant values in an expression is called Literals. **[True/False]**
- VII. The abs() method returns the rounded number to the nearest integer. **[True/False]**
- VIII. back() method removes the current page entry and adds a new page in the history stack. **[True/False]**

Q.3 Answer the Following Short Questions. (Attempt Any Ten)

[20]

- I. What is Scripting?
- II. Write a note on <script> tag.
- III. List any five applications of Javascript.
- IV. Write a note on new operator.
- V. Write a note on IF statement.
- VI. Explain the parseInt() method.
- VII. Explain the TOUPPERCASE() method with its syntax and example.
- VIII. Explain the SETMINUTES() method of Date object with its example.
- IX. Explain the CHARAT() method with its syntax and example.
- X. Explain in Screen object in short.
- XI. What is event handler? List out how many types of event handler?
- XII. Explain the links collection in short.

Q.4 Answer the Following Long Questions. [Attempt Any Four]

[32]

- I. Differentiate between Server-side and Client-side scripting.
- II. Discuss advantages of JavaScript in brief.
- III. Explain the basic data types.
- IV. Write a note on Types of Dialog Boxes.
- V. Explain how can you Creating, assigning, initializing Arrays in Javascript with its syntax and example.
- VI. Explain Get methods in Date object with its syntax and example.
- VII. Draw and explain the structure of DOM Hierarchy in detail.
- VIII. Explain Window object in detail.
