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SEAT No. _____

No. of Printed Pages: 2

SARDAR PATEL UNIVERSITY
First Year BCA (SEM – II) Examination
US02CBCA23: Web Application Development - II (2018 Batch)
DATE: 26/03/2019, Tuesday **TIME: 10:00a.m to 1:00p.m**

Total Marks: 70

Note: 1. All questions are compulsory. 2. Figures to the right indicate marks.
 3. Start a new question from a new page.

Q.1 Answer the Following: **[10]**

- a. The main use of Client-side scripts is _____.
 1. Data input in form 2. Data validation
 3. Display messages 4. Generate HTML pages
- b. _____ scripts are executed by the Browser.
 1. Client-side 2. Server-side 3. CSS 4. HTML
- c. Client-side scripts are written in _____.
 1. HTML 2. CSS 3. DOM 4. Javascript
- d. Which operator is used to concatenate two strings?
 1. + 2. ++ 3. += 4. None of these
- e. To display a message to the user, _____ can be used.
 1. Alert() 2. Prompt() 3. alert() 4. Prompt()
- f. The _____ property returns the number of characters in a string.
 1. charAt() 2. length 3. indexOf() 4. substr()
- g. The _____ object allows you to perform mathematical tasks.
 1. String 2. Array 3. Math 4. Date
- h. The _____ method returns the largest value from the list.
 1. max() 2. min() 3. abs() 4. round()
- i. _____ object contains the history of pages visited by the user.
 1. history 2. document 3. navigator 4. window
- j. _____ event occurs when the user clicks on an element.
 1. onclick 2. onblur 3. onfocus 4. onload

Q.2 Answer the Following: [ANY TEN] **[20]**

- a. List two languages used in Client-side scripting and Server-side scripting
- b. What is Scripting?
- c. List 5 Applications of Javascript.
- d. Write down the rules for defining variable.
- e. Write a note on Assignment operator.
- f. Explain the comparison operator '>' with example.
- g. Explain the toLowerCase() method with its syntax and example.
- h. Explain the getFullYear() method of Date object with its example.
- i. Explain the PI property of Math object with its syntax and example.
- j. Draw the DOM hierarchy.
- k. Explain in Screen object in short.
- l. Explain the bgColor property of Document object in short.

(1)

[P.T.O.]

Q.3

- a. Write a note on Client-side scripting. [05]
 - b. Discuss (any five) advantages of JavaScript in brief. [05]
- OR**
- a. Write a note on Server-side scripting. [05]
 - b. Write a note on (any five) Applications of JavaScript. [05]

Q.4

- a. Explain the basic data types. [05]
 - b. Write a note on (any two) Built-in functions. [05]
- OR**
- a. Explain about Arithmetic operators. [05]
 - b. Write a note on FOR looping statement. [05]

Q.5

- a. Explain any 5 methods of String object with its syntax and example. [10]
- OR**
- a. Explain any 5 methods of Math object with its syntax and example. [05]
 - b. Explain Get methods in Date object with its syntax and example. [05]

Q.6

- a. Explain Window object in detail. [05]
 - b. Explain the CHECKBOX control with its property in short. [05]
- OR**
- a. Explain History Object in detail. [05]
 - b. Explain the TEXT control with its property in short. [05]

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(2)