2022/TDC (CBCS)/EVEN/SEM/ BVOCGEC–602T/374

TDC (CBCS) Even Semester Exam., 2022

B.VOC (Information Technology)

(6th Semester)

Course No. : BVOCGEC–602T

[JavaScript]

Full Marks : 70
Pass Marks : 28

Time : 3 hours

_The figures in the margin indicate full marks
for the questions_

Answer _any_ **five** questions

1. Define JavaScript. Write the different features of JavaScript. Explain the nature of JavaScript. 14

2. Define lexical structure. Explain different JavaScript data types with examples. 14

3. What is an operator? Explain all the operators which are supported by JavaScript. 14

4. Write short notes on the following conditional statements for decision making in JavaScript with example : 14

   (a) 'if' statement

   (b) 'if else' statement

   (c) 'while' statement

   (d) 'break' statement

   (e) 'continue' statement

   (f) 'switch' statement

   (g) 'for' statement

5. (a) Define array with example. Explain array properties and methods. 7

   (b) Write the syntax for the following with example : 7

      (i) Creating a JavaScript array

      (ii) Adding new elements

      (iii) Deleting array elements

      (iv) Accessing the array elements

6. (a) What is JavaScript function? Illustrate with example how to create a function in JavaScript. 7

   (b) Write a JavaScript program to handle MouseListener events. 7

7. What is jQuery? Why is jQuery used in JavaScript? Write the advantages and disadvantages of jQuery. Explain four jQuery methods that are used to add new content in a page. 14

8. What are events? Explain commonly used jQuery event methods with example. 14

9. Define jQuery.ajax() method. Describe all the options available for configuring AJAX request. 14

10. (a) Give a brief description on loading data with GET and POST methods. 7

    (b) Write the uses of the following JSON methods with example : 7

       (i) JSON.stringify

       (ii) JSON.parse

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