**2023/TDC(CBCS)/EVEN/SEM/
BVOCGE–602T/386**

TDC (CBCS) Even Semester Exam., 2023

B.VOC (Information Technology)

(6th Semester)

Course No. : BVOCGE–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. *(a)* Write the differences between client-side scripting language and server-side scripting language. 4

   (b) What are the limitations of JavaScript? 4

   (c) Write notes on evolution of JavaScript programming languages. 6

(Turn Over)

2. (a) What is JavaScript variable? How can it be declared? Give examples.   2+2=4

(b) Explain variable scope in JavaScript.   6

(c) Write a JavaScript program using any function.   4

3. What is JavaScript expression? Mention the different categories of JavaScript expression. Explain all the categories of JavaScript expression with example.   1+4+9=14

4. (a) Write different syntaxes to create objects in JavaScript. Explain with example.   8

(b) Write syntaxes with example of the following :   2×3=6

    (i) Accessing JavaScript properties

    (ii) Adding new properties

    (iii) Deleting properties

5. (a) What is JavaScript interactivity? How do you add interactivity in JavaScript Web page?   2+4=6

(b) Write the syntaxes with example of the following :   2×4=8

    (i) Reading array elements

    (ii) Writing array elements

    (iii) Adding new elements to an array

    (iv) Deleting an element from an array

6. (a) What are JavaScript arrays? Name any seven event handlers with description.   1+7=8

(b) Write a JavaScript program to handle keyboard events.   6

7. (a) Explain different ways to add jQuery in HTML page with example.   8

(b) Write the advantages and disadvantages of Query.   6

8. What is jQuery effect? Mention the different categories of jQuery effect. Explain all the categories with example.   1+3+10=14

9. What is AJAX? How does AJAX work in a Web page? Explain with diagram.   2+12=14

10. (a) Define JSON. What are the syntax rules of JSON?   2+3=5

(b) Write short notes with example on the following :   3×3=9

    (i) JSON data

    (ii) JSON objects

    (iii) JSON arrays

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