

**2021/TDC(CBCS)/EVEN/SEM/
BVOGEC-602T/040**

**TDC (CBCS) Even Semester Exam.,
September—2021**

B. VOC (IT)

(6th Semester)

Course No. : BVOGEC-602T

(JavaScript)

Full Marks : 70

Pass Marks : 28

Time : 3 hours

*The figures in the margin indicate full marks
for the questions*

**Answer five questions, selecting one
from each Unit**

UNIT—I

1. (a) Describe elaborately the evolution of
JavaScript Programming Language. 6
- (b) What is client-side scripting language?
How it differs from server-side scripting
language? 2+3=5
- (c) What are the limitations of JavaScript? 3

(2)

2. (a) What is a JavaScript variable? How it can be declared? Give example. $2+2=4$
- (b) Explain the scope of variable in JavaScript. 6
- (c) Write a JavaScript program using function. 4

UNIT—II

3. Define JavaScript expressions. Explain all the categories of expressions with examples. 14
4. (a) Explain different ways or syntaxes to create objects in JavaScript with example. 8
- (b) Write the syntaxes with example of the following : $2 \times 3 = 6$
- (i) Accessing JavaScript properties
 - (ii) Adding new properties
 - (iii) Deleting properties

UNIT—III

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

(3)

- (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
6. (a) What are JavaScript events? Name any seven event handlers with descriptions. 1+7=8
- (b) Write a JavaScript program to handle keyboard events. 6

UNIT—IV

7. (a) Explain the different ways to add jQuery in HTML page with example. 8
- (b) Write the advantages and disadvantages of jQuery. 6
8. Define jQuery effect. What are the different categories of jQuery effect? Explain all the jQuery effect methods with description. 1+3+10=14

UNIT—V

9. Define AJAX. How does AJAX work in a web page? Explain with diagram. 2+12=14

(4)

10. (a) What is JSON? What are the JSON syntax rules? 2+3=5
- (b) Write short notes with example of the following : 3×3=9
- (i) JSON Data
 - (ii) JSON Objects
 - (iii) JSON Arrays

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