

Total No. of Questions : 8]

SEAT No. :

PA-2629

[Total No. of Pages : 2

[5927]-383

B.E. (E & TC)

JAVA SCRIPT

(2019 Pattern) (Semester-VII) (Elective - III) (404184C)

Time : 2½ Hours]

[Max. Marks : 70

Instructions to the candidates:

- 1) Answer Q.1 or Q.2, Q.3 or Q.4, Q.5 or Q.6, Q.7 or Q.8.
- 2) Neat diagrams must be drawn wherever necessary.
- 3) Figures to the right indicate full marks.
- 4) Use of calculator is allowed.
- 5) Assume suitable data, if necessary.

- Q1)** a) What is function? Explain with example how to pass and return parameters and arguments from called function to the calling function. [6]
- b) What are Common properties and methods of object in JavaScript? [6]
- c) Write a JavaScript program to pass the function by reference, perform addition of two objects inside the function and display the result in calling function. [6]

OR

- Q2)** a) What is Anonymous Functions in JavaScript? Explain its use with an example. [6]
- b) Write a JavaScript program that will append an object to an array and will check if an object is an array datatypes. [6]
- c) Explain data types in JavaScript? Differentiate between primitive and non-primitive [6]

- Q3)** a) What is Regular Expression in JavaScript and explain the need of regular expressions. [6]
- b) Explain Look ahead and Look behind concepts in JavaScript. [6]
- c) Write a program to study string related built-in methods in JavaScript. [5]

OR

P.T.O.

- Q4)** a) Explain string methods for Regular Expression in JavaScript. [6]
b) Explain Character Classes in JavaScript. [6]
c) What are the limitations of Regular Expression. [5]

- Q5)** a) Define JavaScript object model and explain four distinct object models used in JavaScript. [6]
b) Explain event and event handler with an example. [6]
c) Write a JavaScript program to create a Home page of any website and change background color using On mouse over event (mouse over) [6]
On focus event (focus)

OR

- Q6)** a) Describe Document properties and methods with their HTML relationship. [6]
b) Differentiate between HTML. and DHTML. [6]
c) Explain DOM and CSS Elements with example. [6]

- Q7)** a) Explain Various methods to control windows and list out window features. [6]
b) Explain the form handling and the terms form fields, validations. Dynamic forms, Form usability with an example. [5]
c) Design and implement a simple calculator using Java script for operations like **addition, multiplication, subtraction. division, square of a number.**[6]

OR

- Q8)** a) List and explain various popular windows events? [6]
b) What is frame and explain the HTML tags to create frames and how to change the properties of the frame [5]
c) Create a student information Form to accept information like Name, Address, City, State ,Gender, Mobile Number, and email id. Perform validations for: [6]
• Correct Names
• Mobile Names
• Email I.D.'s

