[6004]-531

B.E. (Electrical /E & TC)
JAVA SCRIPT
(2019 Pattern) (Semester - VII) (Elective - III) (404184(C))

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 diagram must be drawn wherever necessary.*
3) *Figures to the right side 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 Java Script 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 datatypse. **[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

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]**

P.T.O.

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. **[6]**
   On mouse over event (mouse over)
   On focus event (focus).

<center>OR</center>

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]**

<center>OR</center>

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]**
   i) Correct Names.
   ii) Mobile Names.
   iii) Email I.D.'s

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