

Total No. of Questions : 8]

SEAT No. :

PE-2238

[Total No. of Pages : 2

[6584]-139

**B.E. (Electronics & Telecommunication / Electronics)**

**JAVA SCRIPT**

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

*Time : 2½ Hours]*

*[Max. Marks : 70*

*Instructions to the candidates :*

- 1) *Attempt 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) *Assume suitable additional data, if necessary.*

- Q1) a)** What is Anonymous Function in JavaScript? Explain its use with an example. [6]
- b) Write a JavaScript program to explain how to get input from user and display output to window. List different methods used to display output. [6]
- c) Describe different ways of creating the object using JavaScript. Explain how to access object properties with example. [6]

**OR**

- Q2) a)** What are the different ways to enumerate the properties of object? Explain with example. [6]
- b) Write a JavaScript program that will append on object to an array and will check if an object is an array data types. [6]
- c) Describe the term recursive function with example. [6]

- Q3) a)** Describe the term "Capturing Groups" in regular expression with suitable example. [6]
- b) List the RegExp object properties. Explain any two in detail. [6]
- c) Write a JavaScript program to compare two strings using various methods. [5]

**OR**

*P.T.O.*

- Q4)** a) Explain search() and split() method used in regular expression with suitable example. [6]
- b) Explain the repetition quantifiers in regular expression with suitable example. [6]
- c) Describe the term Greedy Matching in regular expression with example. [5]

- Q5)** a) List different DOM methods used for accessing elements. Explain any two with suitable example. [6]
- b) Explain in detail Netscape 4 event model. [6]
- c) Describe how to create, insert and append nodes in DOM. [6]

**OR**

- Q6)** a) Describes the terms DOM and HTML elements. [6]
- b) Explain event and event handler with an example. [6]
- c) Describe different event model issues. [6]

- Q7)** a) Explain Browser Object Model with suitable diagram. [6]
- b) What is frame? Explain the HTML tags to create frames and how to change the properties of the frame. [6]
- c) Write a Java Script code to create a student information Form to accept information like Name Address, City, State, Gender, Mobile Number, and email id. [5]

**OR**

- Q8)** a) Describe the term controlling window. Enlist different window methods with their use. [6]
- b) Write a Java Script code for a simple calculator using Java script for operations like addition, multiplication, subtraction, division, square of a number etc. [6]
- c) List and explain different properties and methods used in location object. [5]

