

22519

23242

3 Hours / 70 Marks

Seat No.

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- Instructions* –
- (1) All Questions are *Compulsory*.
 - (2) Answer each next main Question on a new page.
 - (3) Illustrate your answers with neat sketches wherever necessary.
 - (4) Figures to the right indicate full marks.
 - (5) Assume suitable data, if necessary.
 - (6) Mobile Phone, Pager and any other Electronic Communication devices are not permissible in Examination Hall.

Marks

- 1. Attempt any FIVE of the following: **10****
- a) Write features of JavaScript.
 - b) List and describe any four methods of Math object.
 - c) Write a JavaScript program that will print even numbers from 1 to 20.
 - d) Write a JavaScript program to display the elements of array in ascending and descending order.
 - e) Give syntax of and explain function in JavaScript with suitable example.
 - f) Enlist and explain any two mouse events.
 - g) Explain the term JavaScript URL.

P.T.O.

- 2. Attempt any THREE of the following:** **12**
- a) State the use of Object, Method and Property in JavaScript.
 - b) Explain setter and getter properties in JavaScript with the help of suitable example.
 - c) Write a JavaScript program to check whether a number is positive, negative or zero using switch case.
 - d) State the use of following methods:
 - i) `charCodeAt ()`
 - ii) `fromCharCode ()`
- 3. Attempt any THREE of the following:** **12**
- a) Explain Associative arrays in detail.
 - b) Write a JavaScript function that checks whether a passed string is palindrome or not.
 - c) Explain how to add and sort elements in array with suitable example.
 - d) Explain the term browser location and history in details.
- 4. Attempt any THREE of the following:** **12**
- a) State what is frame? Explain how it can be created with suitable example.
 - b) Explain the steps to create floating menu and chain select menu
 - c) Explain how to use banners for displaying advertisement.
 - d) Write a JavaScript function to check whether a given address is a valid IP address or not.
 - e) Explain process to create status bar in JavaScript.

5. Attempt any TWO of the following: 12

- a) Write HTML script that displays textboxes for accepting username and password. Write proper JavaScript such that when the user clicks on submit button
 - i) All textboxes must get disabled and change the color to 'RED' and with respective labels.
 - ii) Prompt the error message if the password is less than six characters.
- b) Write a webpage that displays a form that contains an input for students rollno and names user is prompted to enter the input student rollno and name and rollno becomes value of the cookie.
- c) Write a JavaScript to create rollover effect that involves text and images. When the user places his or her mouse pointer over a book title, the corresponding book image appears.

6. Attempt any TWO of the following: 12

- a) Explain following form control/elements with example Button, Text, TextArea, Select Checkbox, Form.
 - b) Write a JavaScript for protecting web page by implementing the following steps:
 - i) Hiding your source code
 - ii) Disabling the right MouseButton
 - iii) Hiding JavaScript
 - c) Develop a JavaScript to create rotating Banner Ads with URL links.
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