

22519

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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) Describe popup box used in JavaScript.
- b) List any 4 features of JavaScript.
- c) Develop a JavaScript program to calculate gross salary
HRA = 8% of the basic, and DA = 10% of the basic.
Basic salary enters by user using prompt dialog and display gross salary.
- d) Write a Java script string function that will replace following specified value with another value in a string.

String = "Server side scripting language"

Replace "Server" by "Client".

P.T.O.

- e) State the use of following array methods.
 - i) unshift()
 - ii) pop()
- f) List any two properties of form tag <form> with its use.
- g) Define cookies and write its type.

2. Attempt any THREE of the following : **12**

- a) Explain the scope of variable in JavaScript with suitable program.
- b) Difference between client side scripting and server side scripting.
- c) Develop a JavaScript program to print the following output using for loops.

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- d) Write a JavaScript function that checks whether a passed string is palindrome or not.

3. Attempt any THREE of the following : **12**

- a) State the use of following methods.
 - i) split()
 - ii) Substr()
- b) Write a JavaScript function which accepts two integer number as parameters and return multiplication of these two numbers. Call this function from body and display result.
- c) Explain Associative arrays with suitable example.
- d) Write a JavaScript program to open five new windows at different position.

4. Attempt any THREE of the following :**12**

- Describe frameset tag and list any four attributes of frame tag with its use.
- List ways of protecting your web page and describe any one of them.
- Create a slideshow with the group of five images and display next and previous buttons to show next and previous image respectively in your JavaScript.
- Write a Java script code that displays textbox for accepting email ID and a check button. When user click on check button validate email ID and display whether the email ID valid or not.
- Explain any two JavaScript frameworks with its applications.

5. Attempt any TWO of the following :**12**

- Write a HTML script which displays one text box and three radio buttons having name Red, Green and Blue when user select particular radio button then textbox background color will be changed according to selected radio button (i.e. if user select green radio button then textbox background color will be green.).
- Explain How to Create, Read and delete cookie with example.
- Write a script for creating following frame structure:

FRAME1	
FRAME2 Computer Engineering Civil Engineering Mechanical Engineering	FRAME3

Frame2 contain three links Computer Engineering. Civil Engineering and Mechanical Engineering. When user click on particular link then frame3 will display that department page (ex. User click on computer engineering link then frame3 display "computer.html" file.)

6. Attempt any TWO of the following :**12**

- a) Write HTML Script that displays textboxes for accepting Name and Mobile Number, two radio buttons for gender and option list for department and submit button. Write a JavaScript function to validate and display data entered by user after click on submit button.
 - b) Explain text rollover with example.
 - c) Write HTML Script that displays two dropdowns list first containing options Flowers, Vegetables, Fruits. Write proper JavaScript such that when the user selects any options corresponding three options will be display in second dropdowns list (for example user select Fruits in first dropdown then second dropdown will display three fruits names.)
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