

Total number of printed pages = 9

19/6th Sem/DCSE 601

2022

WEB TECHNOLOGY

Full Marks – 100

Time – Three hours

The figures in the margin indicate full marks
for the questions.

Question No. 1 is compulsory and
answer any *four* questions from the rest.

1. Multiple choice questions [1 Mark each] :

1×20=20

(a) What is the correct HTML for inserting a
background image ?

(i) `< background img = "background.gif" >`

(ii) `<bodystyle="background-image : url
(background.gif)" >`

(iii) `< body bg = "background.gif" >`

[Turn over



(b) Which HTML element defines the title of a document ?

- (i) < head > (ii) < meta >
(iii) < title > (iv) < body >

(c) Which HTML attribute specifies an alternate text for an image, if the image cannot be displayed ?

- (i) longdesc (ii) src
(iii) title (iv) alt

(d) Which doctype is correct for HTML5 ?

- (i) < !DOCTYPE HTML5 >
(ii) < !DOCTYPE html >
(iii) < !DOCTYPE HTML PUBLIC "-//W3C/
/DTD HTML 5.0//EN" "http://www.w3.org
/TR/html5/strict.dtd" >
(iv) < html !DOCTYPE.5 >

(e) In HTML, onblur and onfocus are :

- (i) Event attributes
(ii) Style attributes
(iii) HTML elements
(iv) JavaScript Functions



(f) In HTML, which attribute is used to specify that an input field must be filled out ?

(i) required (ii) placeholder

(iii) formvalidate (iv) validate

(g) Which input type defines a slider control ?

(i) controls (ii) search

(iii) range (iv) slider

(h) Which HTML element is used to specify a header for a document or section ?

(i) <top> (ii) <section>

(iii) <header> (iv) <head>

(i) Inside which HTML element do we put the JavaScript ?

(i) <javascript> (ii) <scripting>

(iii) <js> (iv) <script>

41/19/6th Sem/DCSE 601 (3)



[Turn over

(j) What is the correct JavaScript syntax to change the content of the HTML element below ?

(i) `<p id = "demo" >This is a demonstration.
</p>`

(ii) `document.getElement("p").innerHTML =
"Hello World!";`

(iii) `document.getElementById("demo").
innerHTML = "Hello World!";`

(iv) `document.getElementByName("p").
innerHTML = "Hello World!";`

(k) Where is the correct place to insert a JavaScript ?

(i) The `<head>` section

(ii) Both the `<head>` section and the
`<body>` section are correct

(iii) The `<body>` section

(iv) Somewhere outside `html`

41/19/6th Sem/DCSE 601 (4)



(l) What is the correct syntax for referring to an external script called "xxx.js" ?

(i) `<script name="xxx.js">`

(ii) `<script src="xxx.js">`

(iii) `<script href="xxx.js">`

(iv) `<script link="xxx.js">`



(m) How do you write "Hello World" in an alert box ?

(i) `alert("Hello World");`

(ii) `msgBox("Hello World");`

(iii) `alertBox("Hello World");`

(iv) `msg("Hello World")`

(n) How do you create a function in JavaScript ?

(i) `function myFunction ()`

(ii) `function:myFunction ()`

(iii) `function = myFunction ()`

(o) How do you call a function named "myFunction" ?

(i) call myFunction()

(ii) myFunction()

(iii) call function myFunction ()

(p) How to write an IF statement in JavaScript ?

(i) if i = 5 (ii) if i == 5 then

(iii) if i = 5 then (iv) if (i == 5)

(q) How to write an IF statement for executing some code if "i" is NOT equal to 5 ?

(i) if (i <> 5) (ii) if i != 5 then

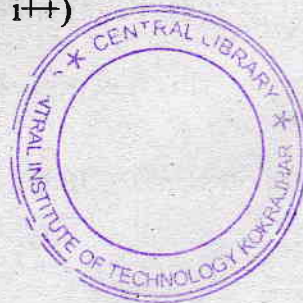
(iii) if (i != 5) (iv) if i <> 5

(r) How does a WHILE loop start ?

(i) while i = 1 to 10

(ii) while (i <= 10; i++)

(iii) while (i <= 10)



(s) How does a FOR loop start ?

(i) for (i = 0; i <= 5; i++)

(ii) for (i <= 5; i++)

(iii) for (i = 0; i <= 5)

(iv) for i = 1 to 5

(t) How can you add a comment in a JavaScript ?

(i) <!--This is a comment-->

(ii) 'This is a comment

(iii) //This is a comment

(iv) #This is a comment.

2. (a) Create an HTML form to make user registration that has the following fields

(i) Name

(ii) Username

(iii) email

(iv) Password

(v) Date of Birth.

Put the necessary datatype for all the fields.

10





- (b) Using CSS decorate the HTML contents
- (i) A header with 20px font size
 - (ii) A page with green color text and yellow background
 - (iii) A div area having address field decorated with the gray background and light-green font colours.
- Overall html must have title, content description and a favicon icon.
3. (a) What do you understand by JavaScript. Write the different features of JavaScript. 10
- (b) Write a JavaScript program that can convert Fahrenheit to Centigrade using the formula. Use function and necessary parameters along with return type.
- $$\text{centigrade} = [(\text{fahrenheit} - 32) \times 5] / 9 \quad 10$$
4. (a) How can you create an object in JavaScript ?
How can you create an Array in JavaScript ?
What are the scopes of a variable in JavaScript ?
In how many ways a JavaScript code can be involved in an HTML file ? 12
- (b) Explain the different types of operators available in JavaScript. 8

5. (a) What is a PHP Language? Explain the different features of PHP Programming Language? 8
- (b) Explain the difference between static and dynamic websites? Write a PHP program to handle the submitted form elements from HTML, consider parameters pass from HTML form as given in question number 2(a). 12
6. (a) Explain complete Web Development process, mentioning all the required technology. 10
- (b) Mention any ten differences, between JavaScript and PHP. 10
7. Write a program for complete registration and login process of a particular website that has HTML, JavaScript and PHP stack. Consider the fields as mentioned in question number 2(a). 20

