

8377

**B. Tech. (CSE) Odd Semester  
Examination, 2022-23**

**WEB TECHNOLOGY**

**Paper : CS-504**

200015159121

Time : 3 Hours ]

[ M.M. : 70

**Note :-** Answer any *five* questions. All questions carry equal marks.

1. (a) What are the types of Web ? What is the most widely used web protocol ?  
(b) How does the web work ? Discuss it step by step with diagram.  
(c) Discuss the most essential parts of a website. 5,5,4
2. (a) How to create a given table with html and CSS :

8377 / 4

( 1 )

K-131 Turn Over

Month	Savings
January	1000
February	800
March	900
April	600
May	700

- (b) Are HTML frames still used ? Explain in detail with reasons.
- (c) Write a CSS program with output to change character case. 5,5,4

3. (a) Write the DTD of given XML file with output :

```
<?XML version="1.0" standalone="yes"?>
<University id="01">
  <collegename>University of Lucknow</collegename>
  <type department="CSE" >Faculty of Engineering</type>
  <email>cse_foet@gmail.com</email>
</University>
```

8377 / 4

( 2 )

K-131

- (b) Write XSD of given XML file with output :

```
<?XML version="1.0" encoding="utf-8"?>
<College no. of Workers="920">
  <Principal>
    <SurName>string</SurName>
    <Idno>string</Idno>
  </Principal>
  <Faculty>
    <FullName>string</FullName>
    <SurName>string</SurName>
    <Address>string</Address>
    <Idno>string</Idno>
  </Faculty>
  <Dept>string</Dept>
</College>
```

- (c) Write the XML syntax rules in detail. 5,5,4

4. (a) Differentiate between JavaScript and VBScript in detail.

- (b) Explain CGI with diagram. Is CGI still used in Web ?

- (c) Write a JavaScript program to find the factorial of a number. 5,5,4

8377 / 4

( 3 )

K-131 Turn Over



5. (a) How can we send data from one JSP page to another JSP page ?  
(b) Difference between JSP and ASP in detail.  
(c) How are JSP files executed by web server ?  
Discuss in detail. 5,5,4
6. What are the main web developer tasks, roles and responsibilities of web development ? Discuss.
7. A hyperlink can be used to move around within a single page rather than to load another page. How is this done ? Discuss.
8. How to display XML using CSS ? Discuss with example.
9. Write a JavaScript program to add many event handlers to the same element.
10. Write JSP Program for registration form of the following fields with output :  
(i) First Name  
(ii) Last Name  
(iii) Username  
(iv) Password  
(v) Address  
(vi) Contact Number

FACULTY OF ENGINEERING & TECHNOLOGY  
UNIVERSITY OF LUCKNOW  
Mid-Term Examination - I  
B. TECH SEMESTER-V, 2022-23

Student's Name & Roll No. ....

Subject Code: CS-504

Subject: Web Technology

Time: 1 Hrs.

Max. Marks: 20

Instruction: Attempt all sections.

Branch: CSE

Note: Assume suitable data if required and state it clearly. Elaboration is required in each answer.

SECTION: A

1. Attempt all parts

(1X5 = 5)

- Which protocols are used in web application?
- List the important web team members.
- What are the tags used for table?
- What are the types of frames in HTML?
- Describe the tags used in list.

SECTION: B

Answer any THREE questions.

(5X3 = 15)

- Differentiate between web project and traditional project.
- Explain web development strategies in detail.
- Difference between HTML and CSS?
- Discuss the tags which is used in given image (next page) and how do you validate form?

FACULTY OF ENGINEERING & TECHNOLOGY  
UNIVERSITY OF LUCKNOW  
Mid-Term Examination - II  
B. TECH SEMESTER-V, 2022-23

Student's Name & Roll No. ....

Subject Code: CS-504

Subject: Web Technology

Time: 1 Hrs.

Max. Marks: 20

Instruction: Attempt all sections.

Branch: CSE

Note: Assume suitable data if required and state it clearly. Elaboration is required in each answer.

SECTION: A

1. Attempt all parts of this question. Each part carries 1 mark. (1X5 = 5)

- What is VBScript?
- What do you mean by CGI?
- Define XML Schema.
- Write different types of events in JavaScript.
- Define DTD.

SECTION: B

Attempt any THREE questions of the following. Each question carries 5 marks.  
(5 x 3=15)

- Explain AJAX with example and its uses.
- Difference between valid and well-formed XML data with example.
- Write XML program to create your record as: Name, Roll No., Branch, Subject Name, and Marks.
- Write a JavaScript program to validate the name and password.  
NOTE: The name can't be empty and password can't be less than 8 characters long.





# Question Paper Code : 8377

**B.Tech. (Semester-V) (Odd Semester )  
Examination, 2021**

## **WEB TECHNOLOGY**

**[ Paper : CS-504 ]**

**Time : Three Hours]**

**[Maximum Marks : 70**

**Note :** Answer **any five** questions. All questions are of equal marks.

1. ✓ What is HTML ? Explain about text formatting tags in HTML with examples. Write the basic structure of HTTP Request and Response Message Structure. [14]
2. ✓ What are Style Sheets ? List down the ways of including style information in a document. Explain about types of cascading style sheets ? Explain with examples. [14]
3. ✓ What is a DTD ? Explain it with an example. What are its applications ? Write a DTD for the address schema. [14]
4. ✓ Define XML. What are the advantages of XML ? List the XML syntax rules in detail. Define XML scheme to show how XML Scheme can be created ? [14]

8377/200

( 1 )

[P.T.O.]



- 5.<sup>x</sup> Explain how to embed JavaScript code in HTML document. Define arrays in JavaScript. List the differences between Client side JavaScript and Server side JavaScript. [14]
- 6.<sup>x</sup> Describe the protocols that govern the web. What are the different design issues in web development? [14]
- 7.<sup>.</sup> What are some of the common lists that can be used when designing a page? Explain the attributes of the table tag with an example. [14]
- 8.<sup>x</sup> Write a servlet program to implement session tracking using HTTP session object. Compare JSP with servlets. Discuss the traditional methods of session tracking techniques in servlet explain with examples. [14]
- 9.<sup>f</sup> What is JavaScript? What are the data types supported by JavaScript? What are the features of JavaScript? Is JavaScript a case-sensitive language? [14]
- 10.<sup>f</sup> What are the steps for running a JSP program in Tomcat server? Explain the various types of errors in JSP. What are sessions? How does JSP handle runtime exceptions? How do we enable and disable sessions using JSP? [14]

----- X -----