

Faculty of Engineering / Science

End Semester Examination May 2025

CS3EW04 / BC3EL04 Internet & Web Technology

Programme	:	B.Tech. / B. Sc.	Branch/Specialisation	:	CSE All / CS
Duration	:	3 hours	Maximum Marks	:	60

Note: All questions are compulsory. Internal choices, if any, are indicated. Assume suitable data if necessary.
 Notations and symbols have their usual meaning.

Section 1 (Answer all question(s))				Marks CO BL
Q1. Which http method is used to send data to a server to create or update a resource?		1 1 1	<input checked="" type="radio"/> POST <input type="radio"/> GET <input type="radio"/> TRACE	
Q2. A Local or restricted communication network, especially a private network created using World Wide Web software is known as-		1 1 1	<input checked="" type="radio"/> Intranet <input type="radio"/> Internet <input type="radio"/> Extranet <input type="radio"/> Supernet	
Q3. <h1 style="color:red;"> India</h1> This code is belongs to which type of CSS-		1 2 1	<input checked="" type="radio"/> Inline CSS <input type="radio"/> Internal CSS <input type="radio"/> External CSS <input type="radio"/> All of these	
Q4. In JavaScript Script code is put in which section of the HTML file-		1 2 1	<input type="radio"/> Head section <input checked="" type="radio"/> Both (A) and (B) <input type="radio"/> Body section <input type="radio"/> None of these	
Q5. What dose PCDATA stand for in XML?		1 3 1	<input checked="" type="radio"/> Private character data <input type="radio"/> Parsed character data <input type="radio"/> Put character data <input type="radio"/> All of these	
Q6. XML is a text-based markup language derived from-		1 3 1	<input type="radio"/> SGMA <input checked="" type="radio"/> SGML <input type="radio"/> SHML <input type="radio"/> DHML	
Q7. Variable name in PHP starts with-		1 4 1	<input type="radio"/> ! (Exclamation) <input checked="" type="radio"/> & (Ampersand) <input type="radio"/> \$ (Dollar) <input type="radio"/> # (Hash)	
Q8. Which one is part of lifecycle of the Servlet?		1 4 1	<input type="radio"/> destroy() <input type="radio"/> service() <input checked="" type="radio"/> init() <input type="radio"/> All of these	
Q9. Who is/are the developers of Bootstrap?		1 5 1	<input checked="" type="radio"/> Mark Otto and Jacob Thornton <input type="radio"/> Tim Berners - Lee <input type="radio"/> Hakon Wium Lie <input type="radio"/> None of these	
Q10. MVC stands for-		1 5 1	<input checked="" type="radio"/> Model View Controller <input type="radio"/> Model Value Controller <input type="radio"/> Model Variety Control <input type="radio"/> None of these	

Section 2 (Answer all question(s))**Marks CO BL****Q11.** What is DNS? How does it function?

2 1 1

Rubric	Marks
Definition DNS and working	2

Q12. Explain HTTP request response model with a suitable diagram.

3 1 2

Rubric	Marks
Explanation of HTTP Model and diagram	3

Q13. (a) Differentiate one, two and three tier architecture.

5 1 2

Rubric	Marks
five difference (each difference 1 marks)	5

(OR)**(b)** Explain SMTP and POP3. Also differentiate both of them.

Rubric	Marks
Explanation of SMTP and POP3 and Difference	5

Section 3 (Answer all question(s))**Marks CO BL****Q14.** Explain DOM in HTML with example.

2 2 2

Rubric	Marks
Explanation of DOM,Example	2

Q15. Explain CSS with their types.

3 2 1

Rubric	Marks
Explain CSS and Types	3

Q16. (a) List out the following HTML tags and explain each with suitable examples: Image, Table, Anchor, Heading, List.

5 2 2

Rubric	Marks
Example of five tag with explanation.	5

(OR)**(b)** Write a Java Script program to find largest among five numbers.

Rubric	Marks
for program	5

Section 4 (Answer all question(s))**Marks CO BL**

Q17. Write DTD for following XML code-

```
<note>
<to>Tove</to>
<from>Jani</from>
<heading>Reminder</heading>
<body>Don't forget me this weekend</body>
</note>
```

3 3 3

Rubric	Marks
for DTD	3

Q18. (a) What is XML Schema? Differentiate XSD and DTD.

7 3 2

Rubric	Marks
Explanation of XML Schema and Five difference	7

(OR)

(b) Write a note on XML processing model with an example.

Rubric	Marks
Explanation with diagram	5
Example	2

Section 5 (Answer all question(s))

Marks CO BL

Q19. Explain lifecycle of servlet.

4 4 1

Rubric	Marks
explanation of Lifecycle of Servlet. and DIAGRAM	4

Q20. (a) Discuss the function and array with reference to PHP.

6 4 2

Rubric	Marks
function and Array in PHP	6

(OR)

(b) Write a program in PHP to print Factorial of any number.

Rubric	Marks
for program	6

Section 6 (Answer any 2 question(s))

Marks CO BL

Q21. Write a short note on JSP and JDBC.

5 5 2

Rubric	Marks
Explanation JSP and jdbc	5

Q22. What do you understand by bootstrap loader?

5 5 2

Rubric	Marks
Explanation	5

Q23. Explain MVC framework with a diagram.

5 4 2

Rubric	Marks
Explanation and Diagram	5
