



Faculty of Engineering / Science

End Semester Examination May 2025

CS3EW04 / BC3EL04 Internet & Web Technology

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|------------------|--------------------|------------------------------|----------------|
| 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 type="radio"/> GET <input checked="" type="radio"/> POST <input type="radio"/> TRACE <input type="radio"/> DELETE | | | |
| Q2. | A Local or restricted communication network, especially a private network created using World Wide Web software is known as- | 1 | 1 | 1 |
| | <input type="radio"/> Internet <input checked="" type="radio"/> Intranet <input type="radio"/> Extranet <input type="radio"/> Supernet | | | |
| Q3. | <code><h1 style="color:red;"> India</h1></code> This code is belongs to which type of CSS- | 1 | 2 | 1 |
| | <input type="radio"/> Internal CSS <input checked="" type="radio"/> Inline 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"/> Parsed character data <input type="radio"/> Private 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"/> \$ (Dollar) <input type="radio"/> & (Ampersand) <input type="radio"/> # (Hash) | | | |
| Q8. | Which one is part of lifecycle of the Servlet? | 1 | 4 | 1 |
| | <input type="radio"/> destroy() <input checked="" type="radio"/> All of these <input type="radio"/> service() <input type="radio"/> init() | | | |
| Q9. | Who is/are the developers of Bootstrap? | 1 | 5 | 1 |
| | <input type="radio"/> Tim Berners - Lee <input checked="" type="radio"/> Mark Otto and Jacob Thornton <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 |
