

Reg. No.

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**B.E / B.TECH. DEGREE EXAMINATION, MAY 2023**

Sixth Semester

**OE18506 – INTERNET PROGRAMMING****(Regulation 2018 / Regulation 2018A)****TIME:3 HOURS****MAX. MARKS: 100**

| COURSE OUTCOMES | STATEMENT  | RBT LEVEL |
|-----------------|--|-----------|
| CO 1            | To get Familiar with basics of the Internet Programming.   | 2         |
| CO 2            | To acquire knowledge and skills for creation of web page for client side with basic html elements. | 3         |
| CO 3            | To gain ability to develop web applications with styling sheets.                                   | 3         |
| CO 4            | Ability to create interactive web site for client side with JavaScript.                            | 3         |
| CO 5            | Build Dynamic web site with servlet.   | 2         |

**PART- A(10x2=20Marks)**

(Answer all Questions)

|   | CO | RBT LEVEL |
|---|----|-----------|
| 1. List down the two well-known data transport layer protocols and for what type of application might use that service. | 1  | 2         |
| 2. Is Http protocol said to be stateless? Justify.  | 1  | 3         |
| 3. How to create a hyperlink in HTML?   | 2  | 3         |
| 4. How do you insert an image in HTML?  | 2  | 3         |
| 5. Compare and Contrast internal style sheet and external style sheet. Give an example.                                 | 3  | 3         |
| 6. Examine the need of using form control in HTML.  | 3  | 3         |
| 7. Justify “JavaScript” is an event-driven programming.   | 4  | 3         |
| 8. Enlist any four Mouse events in JavaScript.  | 4  | 2         |
| 9. Enumerate the advantages of Servlet over CGI.  | 5  | 2         |
| 10. List out the servlet life cycle methods in their order of execution   | 5  | 2         |

and mention its purpose.

**PART- B (5x 14=70Marks)**

|                |  | Marks       | CO       | RBT<br>LEVEL |
|----------------|--|-------------|----------|--------------|
| <b>11. (a)</b> | Discuss the structure of HTTP Request and Response message with an example.  | <b>(14)</b> | <b>1</b> | <b>3</b>     |
|                | <b>(OR)</b>  |             |          |              |
| <b>(b)</b>     | Explain in detail about TCP/IP architecture .  | <b>(14)</b> | <b>1</b> | <b>3</b>     |
| <b>12. (a)</b> | Explain HTML elements in detail and State the types of lists supported by HTML .   | <b>(14)</b> | <b>2</b> | <b>3</b>     |
|                | <b>(OR)</b>  |             |          |              |
| <b>(b)</b>     | Discuss how to create Table and Frame using HTML. Give an example.   | <b>(14)</b> | <b>2</b> | <b>3</b>     |
| <b>13. (a)</b> | Examine the significance of using forms on the web page. Enlist various components used on form.                             | <b>(14)</b> | <b>3</b> | <b>4</b>     |
|                | <b>(OR)</b>  |             |          |              |
| <b>(b)</b>     | Use all CSS to design a web page for College Transport Management System.  | <b>(14)</b> | <b>3</b> | <b>4</b>     |
| <b>14. (a)</b> | Write a JavaScript program to find the factorial of the given number using both recursive and non recursive versions.        | <b>(14)</b> | <b>4</b> | <b>4</b>     |
|                | <b>(OR)</b>  |             |          |              |
| <b>(b)</b>     | Write a JavaScript program to generate the prime numbers between 1 and N and explain the logic.                              | <b>(14)</b> | <b>4</b> | <b>4</b>     |
| <b>15. (a)</b> | Develop a Servlet program to design a Hit Counter to find out the number of visits and also display the session properties . | <b>(14)</b> | <b>5</b> | <b>5</b>     |
|                | <b>(OR)</b>  |             |          |              |
| <b>(b)</b>     | Devise the Servlet architecture and discuss its components   | <b>(14)</b> | <b>5</b> | <b>5</b>     |

in detail.

**PART- C (1x 10=10Marks)**

(Q.No.16 is compulsory)

|   | <b>Marks</b> | <b>CO</b> | <b>RBT<br/>LEVEL</b> |
|---|--------------|-----------|----------------------|
| <b>16.</b> Design a web page for India Tourism Development with the description of all the popular tourist spots and its images . | <b>(10)</b>  | <b>2</b>  | <b>4</b>             |

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