



III B.Tech I Sem Supply End Examination, December 2022

Web Technologies

(CSE)

Time: 3 Hours.**Max. Marks: 70**

Note: 1. Question paper consists: Part-A and Part-B.

2. In Part - A, answer all questions which carries 20 marks.

3. In Part - B, answer any one question from each unit.

Each question carries 10 marks and may have a, b as sub questions.

PART- A**(10*2 Marks = 20 Marks)**

- | | | | | |
|-------|---|----|-----|-----|
| 1. a) | How can you create array in PHP? Explain. | 2M | C01 | BL1 |
| b) | How to declare a string in PHP? List various string functions in PHP. | 2M | C01 | BL1 |
| c) | State rules to define tags in XML? | 2M | C02 | BL1 |
| d) | Write in brief about XHTML. | 2M | C02 | BL1 |
| e) | Define Servlet? What are the types of Servlets? | 2M | C03 | BL1 |
| f) | What are the advantages of servlets over CGI? | 2M | C03 | BL1 |
| g) | What are JSP Implicit Objects? | 2M | C04 | BL1 |
| h) | Provide an example for JSP expression. | 2M | C04 | BL1 |
| i) | What is the scope of variables in JavaScript? | 2M | C05 | BL1 |
| j) | What is equality in JavaScript? | 2M | C05 | BL1 |

PART- B**(10*5 Marks = 50 Marks)**

- | | | | | |
|-------|--|----|-----|-----|
| 2. a) | Define Session and Cookies. Explain with an example program in PHP | 5M | C01 | BL4 |
| b) | Explain about the control structures in PHP with illustrations. | 5M | C01 | BL4 |

OR

- | | | | | |
|-------|--|----|-----|-----|
| 3. a) | Explain different types of arrays used in PHP with examples. | 5M | C01 | BL4 |
| b) | Explain any five Super Global Variables in PHP. | 5M | C01 | BL4 |

- | | | | | |
|-------|--|----|-----|-----|
| 4. a) | Explain DTDs with example code in XML | 5M | C02 | BL4 |
| b) | Describe XML schema for designing a Web page as an illustration. | 5M | C02 | BL2 |

OR

- | | | | | |
|-------|--|----|-----|-----|
| 5. a) | Explain about DOM based XML processing with example. | 5M | C02 | BL4 |
| b) | Define SAX. How SAX parses the XML file? Explain. | 5M | C02 | BL4 |

- 6 a) Explain the life cycle of a servlet with an example servlet program. 5M C03 BL4
 b) Demonstrate the use of request dispatcher methods in servlets with an example. 5M C03 BL5

OR

- 7 a) Write a servlet program to retrieve data from the database. 5M C03 BL3
 b) Explain the differences between Servlet Config and Servlet Context objects. 5M C03 BL4

- 8 a) Explain Page Directives and Error page concept using JSP with an example. 5M C04 BL4
 b) Write a JSP program to create registration form. 5M C04 BL3

OR

- 9 a) How to use Cookies and Session for session tracking? Explain with an example program. 5M C04 BL4
 b) What is Bean? Discuss how to create beans in JSP. 5M C04 BL2

- 10 a) What is JavaScript? What are the features of JavaScript? 5M C05 BL1
 b) Write a JavaScript to display whether given number is a prime or not. 5M C05 BL3

OR

- 11 a) With an example program, explain form validation concept in JavaScript 5M C05 BL4
 b) Write a short note on Event handlers in JavaScript. 5M C05 BL1

---oo0oo---

CO - Course Outcome

BL - Blooms Taxonomy Levels