



**B.Tech IV Semester Supplementary Examinations, December 2024**  
**WEB TECHNOLOGIES**  
 (Common to CSE, CSE(AI&ML) & CSE(DS))

**Maximum Marks: 60**

**Date: 12.12.2024**

**Duration: 3 hours**

- Note:**
1. This question paper contains two parts A and B.
  2. Part A is compulsory which carries 10 marks. Answer all questions in Part A.
  3. Part B consists of 5 Units. Answer any one full question from each unit.
  4. Each question carries 10 marks and may have a, b, c, d as sub questions.

Part-A		CO	Bloom Tx
All the following questions carry equal marks (10x1M=10 Marks)			
1.a)	How can you create array in PHP?	CO1	L1
b)	Define PHP variables.	CO1	L1
c)	Distinguish between DTD and XSD.	CO2	L4
d)	Compare HTML and XML	CO2	L2
e)	What does Servlet config interface do?	CO3	L1
f)	What is Session?	CO3	L1
g)	Is it possible for one JSP to extend another java class? If yes how?	CO4	L5
h)	How JSP resolves the problems with Servlets?	CO4	L1
i)	What is an 'event'?	CO5	L1
j)	How are events handled in JavaScript?	CO5	L1
Part-B			Bloom Tx level
Answer All the following questions. (5X10M=50Marks)			
2.a)	How to read data from web form control like Text boxes explain with an example. (5M)	CO1	L3
b)	How PHP session is created and destroyed? Explain with an example. (5M)	CO1	L3
OR			
3.a)	Design a PHP script for uploading a file to the server and display the uploaded files details. (5M)	CO1	L4
b)	Elaborate various file operations on text files in PHP. (5M)	CO1	L3
4.a)	Define XHTML. What are the differences between XHTML and HTML with an example. (5M)	CO2	L3
b)	A book has exactly one title, one or more chapters, one or more authors, a price and an ISBN number. An author has a first name, an optional middle name and a last name. A chapter consists of one or more paragraphs. Build a DTD for this scenario and a sample XML document following this DTD. (5M)	CO2	L3
OR			
5.a)	What is a 'XML Parser'? Demonstrate in detail how XML data is parsed	CO2	L2

	with an example. (5M)		
b)	Describe XML schema for designing a Web page as an illustration. (5M)	CO2	L2
6.a)	What is a 'servlet'? Discuss the life cycle of a servlet with an example servlet program. (5M)	CO3	L3
b)	Distinguish between Get request and Post request type in Servlets. (5M)	CO3	L3
OR			
7.a)	What are various drivers of JDBC? Describe about the database connectivity using JDBC. (5M)	CO3	L3
b)	Demonstrate the use of Cookies in Servlets with an example. (5M)	CO3	L2
8.a)	Describe the anatomy of a JSP page. (5M)	CO4	L3
b)	How does a Servlet communicate with a JSP page? Explain. (5M)	CO4	L1
OR			
9.a)	Discuss in detail how to access a database from a JSP. (5M)	CO4	L3
b)	Explain about the different methods used for Session tracking. (5M)	CO4	L2
10.a)	Write a short note on Event handlers in JavaScript. (5M)	CO5	L2
b)	Demonstrate Document Object Model with suitable examples and code. (5M)	CO5	L2
OR			
11.a)	Develop a JavaScript to display whether given number is a prime or not. (5M)	CO5	L3
b)	Write short notes on simple Ajax application. (5M)	CO5	L2