



**B.Tech V Semester Regular/Supplementary Examinations, February 2024**

**Web Technologies**  
*CSE (DATA SCIENCE)*

**Maximum Marks: 70**

Date:17.02.2024 Duration: 3 hours

- Note:**
1. This question paper contains two parts A and B.
  2. Part A is compulsory which carries 20 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 (10x2M=20 Marks)			
1	List various types of arrays supported by PHP. How to declare arrays in PHP?	CO1	L2
2	Give the difference between JavaScript and PHP.	CO1	L2
3	State rules to define tags in XML.	CO2	L1
4	Differentiate XHTML and XML.	CO2	L1
5	Mention some uses of servlet.	CO3	L2
6	What are the methods used in life cycle of a Servlet?	CO3	L1
7	What are JSP Implicit Objects?	CO4	L1
8	List the directives in JSP with syntax.	CO4	L1
9	What is an 'event'? How are events handled in JavaScript?	CO5	L2
10	How to insert JavaScript Code in PHP?	CO5	L2
Part-B			
Answer All the following questions. (5X10M=50Marks)		CO	Bloom Tx level
11	With an example, explain the different data types in PHP. [10M]	CO1	L3
OR			
12	Define an Array. Explain about the types of Arrays in PHP with an example. [10M]	CO1	L2
13	Explain the procedure for validating the XML Documents. [10M]	CO2	L3
OR			
14	A. List the advantages of XML Schemas over DTDs. [5M] B. Explain about Internal DTD's with an example. [5M]	CO2	L2
15	A. Write note on Common Gateway Interface (CGI) [8M] B. Distinguish between CGI and Servlets [2M]	CO3	L2
OR			
16	Define JDBC. Explain about the database connectivity using JDBC. [10M]	CO3	L4

17	Discuss about various categories of JSP tags. Explain each of them with syntax and suitable examples. [10M]	CO4	L3
	OR		
18	A. How to access a database from a JSP? [2M] B. Give a brief note on Anatomy of a JSP Page. [8M]	CO4	L2
19	Explain Document Object Model with suitable examples and code. [10M]	CO5	L4
	OR		
20	Define client side programming. Explain briefly about AJAX. [10M]	CO5	L3