



**B.Tech V Semester Supplementary Examinations, February 2024**  
**Web Technologies**  
*(Computer Science and Engineering)*

**Maximum Marks: 70**

**Date: 27.02.2024 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. Part-B each question carries 10 marks and may have a, b, c, d as sub questions.

**Part-A**

All the following questions carry equal marks (10x2M=20 Marks)

1	Write the differences between GET and POST methods?	L2	CO1
2	Differentiate between the 'BITWISE AND' operator and the 'LOGICAL AND' operator in PHP.	L2	CO1
3	With suitable example explain the creation of namespaces in XML.	L1	CO2
4	What are the advantages and disadvantages of External DTDs?	L1	CO2
5	What is difference between doGet and doPost method?	L2	CO3
6	Explain about Http Responses in Servlets.	L2	CO3
7	What is Session tracking?	L1	CO4
8	What is jsp?	L1	CO4
9	How do you convert numbers to strings in JavaScript.	L1	CO5
10	Write any 3 properties of the window object	L1	CO5

**Part-B**

Answer All the following questions. (5X10M=50Marks)

11	Explain variables and operators with example in PHP. [10]	L2	CO1
	OR		
12	a) List the statements that are used to connect PHP with MySQL. b) Explain PHP form processing with an example. [10]	L2	CO1
13	How can both Internal and External DTDs be used in an XML File? Show with an Example. [10]	L1	CO2
	OR		
14	Consider the following DTD. [10] <pre>&lt;!ELEMENT course (name, curriculum, teacher+, student+)&gt; &lt;!ELEMENT name (#PCDATA)&gt; &lt;!ELEMENT curriculum (#PCDATA)&gt; &lt;!ELEMENT teacher (#PCDATA)&gt; &lt;!ELEMENT student (#PCDATA)&gt;</pre> Write a sample XML documents that is valid according to this DTD.	L3	CO2

15	What is JDBC? How to connecting to a database using JDBC in Servlets. [10]		CO3
	OR		
16	Explain about Lifecycle of a Servlet with neat diagram, [10]	L2	CO3
17	Briefly explain about the anatomy of jsp. [10]	L2	C04
	OR		
18	Discuss about the different methods used for Session tracking in jsp. [10]	L2	CO4
19	a) Explain internal and external JavaScript with an example. [5] b) Discuss about Advantages and limitations of JavaScript. [5]	L2	CO5
	OR		
20	a) Discuss about JavaScript variables scope with an example. [5] b) Write a JavaScript program for arithmetic operations. [5]	L2	CO5