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B.TECH
(SEM V) THEORY EXAMINATION 2021-22
WEB TECHNOLOGY

Time: 3 Hours**Total Marks: 100****Note: 1.** Attempt all Sections. If require any missing data; then choose suitably.

SECTION A

1. **Attempt all questions in brief.** **2 x 10 = 20**
- What is Domain Name System (DNS)?
 - Discuss various web project development phases.
 - What are the differences between IP packet & Datagrams?
 - Write HTML code for inserting image on a web page.
 - Name two major protocols for accessing email from servers.
 - Define Document Object Model (DOM).
 - What is the concept behind client-server computing?
 - Expand the term AWT. For what purpose it is being used?
 - What do you understand by session tracking
 - What is implicit object in JSP?

SECTION B

2. **Attempt any three of the following:** **10 x 3 = 30**
- Design HTML form for student registration with submit and reset button on it
 - Explain CSS and its types with example.
 - Explain java script function and write a program to make a calculator using java script.
 - What are XML Parsers? Explain the types of parsers with their advantages and disadvantages.
 - What are the advantages and drawback of an applet? Write a java program to create an applet and perform event handling on it.

SECTION C

3. **Attempt any one part of the following:** **10 x 1 = 10**
- Create an HTML page named as "table.html" to display your class time table.
 - Explain Enterprise Java Bean in detail and explain its types. Create a message driven java bean.
4. **Attempt any one part of the following:** **10 x 1 = 10**
- What is JDBC? Explain the driver used in JDBC. Write JDBC program to insert and display the record of employees using prepared statement.
 - Explain string handling and event handling in java.
5. **Attempt any one part of the following:** **10 x 1 = 10**
- What is the difference between Session and Cookies? Write a servlet program for servlet login and logout using cookies.
 - What is XML? Create a XML document of 10 students of third year CSE. Add their roll number, marks obtained in 5 subjects, total marks and percentage.
6. **Attempt any one part of the following:** **10 x 1 = 10**
- Discuss Servlet and its life cycle in detail. How do you create a servlet?
 - Explain JSP Architecture and explain the JSP Processing in detail.
7. **Attempt any one part of the following:** **10 x 1 = 10**
- Explain Internet Addressing. How will you identify IP Class?
 - How exceptions are handled in java? Explain in detail with examples.