



PAPER ID-410758

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Subject Code: KIT501

Roll No:

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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.