

Hi-Tech Institute of Engineering & Technology	
DEPARTMENT OF CSE/IT/AI-ML	
2nd MODEL PAPER, ODD SEMESTER-2023-24,	
Semester: 5th	Course/Branch: B.TECH/IT
Subject Code: KIT 501	Subject Name: Web Technology
Faculty Name: Pranjal Singh	
Time: 3 Hours	Total Marks: 100

Note: 1. Attempt all Sections. If require any missing data; then choose suitably.

SECTION-A

1. Attempt all question in brief.

2x 10 = 20

Q.No	Question	Marks
a.	What to you understand by Datagram?	2
b.	Discuss difference between ODBC and JDBC.	2
c.	Discuss JSP Technology.	2
d.	Discuss difference between CGI and Servlet.	2
e.	What do you understand by session tracking	2
f.	What is implicit object in JSP?	2
g.	Expand the term AWT. For what purpose it is being used?	2
h.	What is the concept behind client-server computing?	2
i.	Name two major protocols for accessing email from servers.	2
j.	What are JAR and Manifest files.	2

SECTION-B

2. Attempt any THREE part of the following:

10x3 =30

Q.No	Question	Marks
a.	What are XML Parsers? Explain the types of parsers with their advantages and disadvantages.	10
b.	What are the advantages and drawback of an applet? Write a java program to create an applet and perform event handling on it.	10
c.	Create an HTML page named as "table.html" to display your class time table.	10
d.	Compare java and java script? Write a java script program to find largest among five numbers.	10
e.	Write HTML code to design "a form for online Railway Reservation Website" (Make Assumptions).	10

SECTION-C

3. Attempt any ONE part of the following: 1x10 = 10

Q.No	Question	Marks
a.	Describe document type definition (DTD) in XML. What is difference between internal and external DTD.	10
b.	What is CSS? Discuss the different ways to create CSS. Explain with example.	10

4. Attempt any ONE part of the following: 1x10 = 10

Q.No	Question	Marks
a.	What are packages in java? How a user-defined package is created in Java, explain with example?	10
b.	Why it is important to identify the object in web development strategies ? Also explain, with the help of block diagram, web development process.	10

5. Attempt any ONE part of the following: 1x10 = 10

Q.No	Question	Marks
a.	(i) Create a HTML Form for taking Account Number as User Input. (ii) Write a Servlet program receiving this HTML form data and connect it with the Database by using JDBC. (iii) Send the current user Account Balance stored in a specific Database back to the User as response. (iv) Mention all the assumptions like Table Name, Database Name, Field Name etc	10
b.	Discuss the different types of standard action tags used in JSP. Discuss the implicit objects available to JSP page.	10

6. Attempt any ONE part of the following: 1x10 = 10

Q.No	Question	Marks
a.	What is EJB, also discuss its Architecture. Differentiate between Java Bean and EJB.	10
b.	Explain Internet Addressing. How will you identify IP Class?	10

7. Attempt any ONE part of the following: 1x10 = 10

Q.No	Question	Marks
a.	Explain Servlet with its life cycle. How its life cycle is different from life cycle of JSP.	10
b.	Explain the concept of URL and IP address. How an IP address assigned to host.	10

