

Hi-Tech Institute of Engineering & Technology	
DEPARTMENT OF CSE/IT/AI-ML	
1ST MODEL PAPER, ODD SEMESTER-2023-24,	
Semester: 5th	Course/Branch: B.TECH/IT
Subject Code: KIT 501	Subject Name: Web Technology
Faculty Name: Pranjali 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.	Discuss the comparison among JDK, JRE and JVM?	2
b.	Discuss basic elements of a good website design.	2
c.	What is Domain Name System (DNS)?	2
d.	Discuss various web project development phases.	2
e.	Write HTML code for inserting image on a web page.	2
f.	Discuss the usage of Cascading style sheets.	2
g.	Define Protocol. Provide the name of protocols governing web.	2
h.	Define Document Object Model (DOM).	2
i.	Discuss difference between ODBC and JDBC.	2
j.	Discuss do Post() and do Get() method.	2

SECTION-B

2. Attempt any THREE part of the following:

10x3 =30

Q.No	Question	Marks
a.	Discuss the Packages in Java. Discuss how to create a user defined package in Java with a suitable example.	10
b.	Design HTML form for student registration with submit and reset button on it.	10
c.	What is AJAX and also discuss its Advantages? Explain it working with suitable example	10
d.	Explain java script function and write a program to make a calculator using java script	10
e.	Explain the Servlet Life Cycle. Write a servlet code to display a string "WEAR MASK!"	10

SECTION-C

3. Attempt any ONE part of the following:

1x10 = 10

Q.No	Question	Mark s
a.	Describe objective of any website. Which type of essential skills required being a member of web project team.	10

b.	Explain Enterprise Java Bean in detail and explain its types. Create a message driven java bean.	10
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4. Attempt any ONE part of the following:

1x10 = 10

Q.No	Question	Marks
a.	Explain object oriented programming. List the features of object oriented programming.	10
b.	What is JDBC? Explain the driver used in JDBC. Write JDBC program to insert and display the record of employees using prepared statement.	10

5. Attempt any ONE part of the following:

1x10 = 10

Q.No	Question	Marks
a.	What is the difference between Session and Cookies? Write a servlet program for servlet login and logout using cookies.	10
b.	Discuss in brief how to perform Client Side Validation like Mandatory fields and Email field using Java Script? Justify with a suitable example.	10

6. Attempt any ONE part of the following:

1x10 = 10

Q.No	Question	Marks
a.	What are 'Exceptions' and how they are 'Handled' in Java? Explain the keywords try, catch, throw, throws with a suitable example.	10
b.	Discuss what you understand by Inheritance? List out various type Inheritance with suitable example.	10

7. Attempt any ONE part of the following:

1x10 = 10

Q.No	Question	Marks
a.	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.	10
b.	What is JDBC? Explain the driver used in JDBC. Write JDBC program to insert and display the record of employees using prepared statement.	10