

PRANVEER SINGH INSTITUTE OF TECHNOLOGY KANPUR

Even Semester Session 2023-24 CT-I

B.Tech. VIth Semester Web Technology (KCS-602)

| CO Number | Course Outcome |
|-----------|--|
| CO1 | Able to define [1. Remember] Web Development Strategies, Internet Tools and the protocols that govern the web, Internet Services & basic HTML tags. |
| CO2 | Able to describe [2. Understand] web development strategies, architecture of the client-server computing, concepts of Java, Java Networking APIs, XML, Java Beans, JDBC, AJAX, Servlets and JSP |
| CO3 | Able to demonstrate [3. Apply] the concepts of Java Programming (Arrays, Methods & Classes, Inheritance, Polymorphism, Exceptions, Multithreading, File I/O, Applets, AWT and JDBC), HTML, CSS and JavaScript. |
| CO4 | Able to examine [4. Analysis] the different kinds of architecture of web, XML Parsers, XML Structures, different types of CSS and various concepts of Java. |
| CO5 | Able to compare [5. Evaluate] dynamic and client-side/server-side interactive web sites/applications and AWT applications on Applets and Frames as container. |

Time: 1.5 Hrs.

M. M. 15

Section A

Q1. Attempt all questions:**(1X3 = 3 Marks)**

- a) Describe GET and POST methods in brief. CO1
- b) Describe 2-Tier computing model with the help of a diagram. CO1
- c) Give an example of anchor tag in HTML. CO1

Section B

Q2. Attempt all questions:**(2X4 = 8 Marks)**

- a i) Explain Inline and Internal CSS with example. CO2
OR
- ii) Describe IS-A and Has-A relationship in Object-Oriented Programming language. CO2
- b i) Explain the concept of default constructor and constructor overloading in java. CO2
OR
- ii) Describe CSS class selectors and Id selectors. CO2
- c i) Illustrate private, protected and default level in Java. CO3
OR
- ii) Illustrate the concept of method overloading in java with example. CO3
- d i) Construct a program in java to store Fibonacci series in a single dimension array. CO3
OR
- ii) Construct a program in java to copy an array by passing it in a method as parameter. CO3

Section C

Q3**(4X1 = 4 Marks)**

- i) Explain method overriding and write a program to showcase method overriding in java. CO4
OR
- ii) Explain super() call and 2 uses of 'super' keyword with the help of a program. CO4