PARUL UNIVERSITY
FACULTY OF INSTITUTE OF ENGINEERING & TECHNOLOGY
B.Tech Mid-Sem Exam August 2024-25

Semester: V
Subject Code: (303105309)
Subject Name: (Enterprise Programming using JAVA)

Date: (20/08/2024)
Time: (1hr: 30min)
Total Marks: 40

Q.1 (A) Five Multiple Choice Questions   **05**

1. How do you create a Statement object in JDBC?   **01**
   a) Statement stmt = new Statement(conn);
   b) Statement stmt = conn.createStatement();
   c) Statement stmt = conn.newStatement();
   d) Statement stmt = conn.getStatement();

2. What does JDBC stand for?   **01**
   a) Java Data Connection
   b) Java Database Connectivity
   c) Java Direct Connect
   d) Java Data Communication

3) How do you set the content type of the response to "text/html" in an HTTP Servlet?   **01**
   a) response.setHeader("Content-Type", "text/html");
   b) response.setContentType("text/html");
   c) response.setContent("text/html");
   d) response.setType("text/html");

4) Which JSP scripting element is used to declare variables and methods?   **01**
   a) <%! %> b) <% %> c) <%= %> d) <%@ %>

5) Which directive is used to import classes, interfaces, or packages in a JSP page?   **01**
   a) <%@ import="java.util.*" %>
   b) <%@ page import="java.util.*" %>
   c) <%@ include import="java.util.*" %>
   d) <%@ taglib import="java.util.*" %>

(B) Five Fill in the blanks or One line questions   **05**

i) Java code is embedded under _____ tag in JSP.   **01**

ii) In JDBC architecture, the _____ acts as a bridge between the application and the database   **01**

iii)_____is a popular open-source relational database management system used with JDBC.   **01**

iv) A _____object contains initialization parameters for a servlet.   **01**

v) A _____ object can be used to forward a request from one servlet to another.   **01**

Q.2 Attempt any four(Short Questions)   **12**

(1) What is JDBC

(2) Define web and role of Client-Server architecture.

(3) How do you establish a connection to a database using JDBC?

(4) Why Servlet is more advantageous over CGI.

(5) What is JSP.

Q.3   Attempt any two questions

(1) Explain JDBC Architecture in brief

(2) Express the terms: MAVEN, POM.XML

(3) Express the terms: Session Tracking, Servlet Configuration

Q.4   (A) Explain Servlet life cycle in brief.

(B) Explain Scripting elements in brief.

<div align="center">OR</div>

(B) Write Short note on: Servlet Annotation, CRUD Operations