

**Instructions: Draw Diagrams wherever necessary.  
Make Assumptions wherever necessary.**

**SECTION - I**

- Q-1 Explain the following terms with an appropriate example:** 11
- DTD
  - ResultSet
  - CreateStatement()
- Q-2 Attempt the following :** 12
- Explain MVC architecture with diagram 6
  - What is Servlet and Discuss advantages of Servlets with example 6
- OR**
- Q-2 Attempt the following :**
- Discuss the two kinds of XML Parsers Java Library supplies? 12
  - Discuss RMI applications with reference to Distributed Object Applications 6
- Q-3 Attempt the following :** 12
- Explain in detail difference between RequestDispatcher's forward() and include () method 6
  - Explain Java Web application directory structure and importance of web.xml file 6
- OR**
- Q-3 Attempt the following:**
- Compare : Generic Servlet Vs HTTP Servlet 12
  - Compare GET Vs POST 6

**(P.T.O)**

## SECTION - II

- Q-4 Explain the following Terms with an appropriate example. 11**
- Tomcat
  - DTD
  - Cookie
- Q-5 Attempt the following: 12**
- Explain JDBC. Discuss various drivers of JDBC with diagram 6
  - Explain JSP with various life cycle stages of JSP 6
- OR
- Q-5 Attempt the following: 12**
- What is the use of page directive tag? List out all attributes and explain any three in detail. 6
  - What is a JSTL? List out all the JSTL libraries and explain any one with appropriate code in detail. 6
- Q-6 Attempt the following: 12**
- What is session? Demonstrate the use of session in servlet. 6
  - List and explain JSP inbuilt (implicit) objects with their use in application. 6
- OR
- Q-6 Attempt the following: 12**
- Compare executeUpdate() : executeQuery() : execute() 6
  - Compare DOMParser and XMLParser 6
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