

**III B. TECH I SEMESTER REGULAR EXAMINATIONS, FEB - 2022**  
**ADVANCED JAVA AND WEB TECHNOLOGIES**  
**(COMPUTER SCIENCE AND ENGINEERING)**

Time: 3 Hours

Max. Marks: 60

**Note: Answer ONE question from each unit (5 × 12 = 60 Marks)**

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UNIT-I

1. a) Explain need and objective of JDBC. [4M]  
b) What are the steps to build JDBS Application? Explain. [8M]

(OR)

2. a) List and define different types of JDBC Statements. [4M]  
b) Explain in detail about JDBC Prepared Statement. [8M]

UNIT-II

3. a) Write short notes on the following [4M]  
1. Unordered List  
2. Ordered List  
b) What are Inline Frames? Differentiate tags of inline frames with their attributes. [8M]

(OR)

4. a) Explain about basic building blocks of XML [6M]  
b) What is XML parser? Explain in detail. [6M]

UNIT-III

5. a) What is a Web Server? Explain how to deploy a servlet in Tomcat. [6M]  
b) What is a Cookie. Explain Session Tracking using Cookies in Servlets. [6M]

(OR)

6. a) List and explain useful interfaces and classes of javax.servlet package. [6M]  
b) What is the purpose of ServletConfig Interface? Explain. [6M]

UNIT-IV

7. a) What are the advantages of JSP over Servlet? [5M]  
b) Discuss about Architecture of JSP. [7M]

(OR)

8. a) List and explain the significance of implicit Objects. [6M]  
b) Explain in detail about session tracking using HTTP Session in JSP. [6M]

UNIT-V

9. a) What is Java script. Explain history of Java script. [6M]  
b) Explain data types and variable in Java script. [6M]

(OR)

10. a) Explain in detail about Event Handlers. [6M]  
b) What is Ajax Technology? Explain about XMLHttpRequest. [6M]

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