

**TCS-505**

**44**

Printed Pages : 4

Paper Code & Roll No. to be filled in your Answer Book

Roll No.

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**B. Tech. III Year (V Sem.)**

Odd Semester Examination-2015

**Advance Java Programming**

*Time : 3 Hours]*

*[Maximum Marks :100*

**Unit - I**

Answer Any Four

(4x5=20)

1. What is the purpose of Java Beans? Discuss the advantages of java Beans.
2. List and discuss four interface in Java.X.Servlet package.
3. Explain the architecture of EJB and its types with example.
4. Explain Java Bens? Explain the steps to create Java Beans using BDK.
5. How to create objects in Java Scripts, define in detail.

**Unit - II**

Answer Any Four (4x5=20)

1. Discuss the role of JSP in development of website.

(1)

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2. How variable and method are defined in JSP? Explain with syntax.
3. Explain the working of JDBC-ODBC bridge.
4. What is JDBC? Explain with architecture.
5. What is session? How session can be managed in JSP? Write a program for that.

### Unit - III

Answer Any Two

(2x10=20)

1. Who do we need drivers for database connectivity. Differentiate between type 3 & type 4 drivers.
2. Explain Struts framework. Differentiate between Struts & JSP
3. What are various SQL commands used to connect to a an application. Write a program to fetch following details from a database.
  - i) student\_name
  - ii) student\_enrollment

iii) Student Class

iv) Student Section

#### Unit - IV

Answer Any Two

(2x10=20)

1. What is servlet life cycle and what manage it, explain? Why do we need inter servlet communication
2. Write a program to demonstrate passing and retrieving values of parameter to a servlet.
3. What is Development Descriptor? Which element of the servlet element in the development descriptor is used to specify the parameters for the servletconfig object.

#### Unit - V

Answer Any Two

(2x10=20)

1. What do you stand by multithread programming? Explain with a simple suitable example.
2. How an abstract class is different from concrete derived class? Explain by giving example.

3. Explain life cycle of thread in detailed. . Explain exception handling mechanism in java with example? Differentiate between throw and throws clause

Unit IV  
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Unit V