

TCS-505

77

Printed Pages : 4

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

Roll No.

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Odd Semester Examination-2016

B.Tech (Semester - V)**ADVANCE JAVA PROGRAMMING**

[Time : 3 Hours]

[Maximum Marks : 100]

Note : Attempt all questions.1. Attempt **any four** questions : [5×4=20]

- (a) What is EJB? Write down the different types of control statements in java script.
- (b) Difference between Stateless Session Bean and Stateful Session Bean.
- (c) Write a program to implement inheritance in java.
- (d) What are java Bean? Explain how java bean can be used for reusability of code? Explain with example.
- (e) Write short notes on :
 - (i) Naming Patterns for Bean Components.

TCS-505/1400

(1)

004 [P.T.O.]

(ii) Clear Time out ()

(iii) Set Time out ()

2. Attempt **any four** questions : [5×4=20]

(a) Write a program to calculate the reverse of n digit no in Java Script.

(b) What is JSP? What are the advantages of JSP over Servlets? Explain JSP Architecture in detail.

(c) Create a JDBC application to Insert User Registration details like -

Registration No, Username, Password, Email

into User Registration table. Also perform

update and delete operations on specified rows.

(d) Design a Student Bean class with Student details like firstname, lastname and age.

Display the Student details in JSP page using bean tags.

(e) Write a program for exception handling. What are the different types of exception handling?

3. Attempt **any four** questions : [5×4=20]

- (a) What is JDBC? Explain the different drivers in JDBC. Explain the steps of java to database communication in details?
- (b) Write a function to create a database connection and retrieve all the records from a table that has name = "PAYAL".
- (c) Write the different types of statements in JDBC.
- (d) Write all the steps that a Java Program takes to access the Database?
- (e) Write a program to connect to a database query and displays the results.

4. Attempt **any two** questions : [10×2=20]

- (a) Explain the following with suitable example :
 - (i) Handling HTTP GET Requests
 - (ii) Handling HTTP POST Requests
- (b) What is Java Servlet? Define Life Cycle of Java Servlet. Also write a simple servlet programme.

- (c) What is multithreading? Explain the life cycle of a thread.

5. Attempt **any two** questions : [10×2=20]

- (a) Draw J2EE multitiered architecture. Also explain the traditional client /Server model of J2EE.

- (b) Difference amongst 2 tier, 3 tier and n tier architecture in J2EE.

- (c) Explain :

- (i) Thin client and thick client.

- (ii) Thread along with real life application program in Java to explain Multithreading.

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