**Master of Computer Application(MCA)-Semester -I**

**(Academic Year 24-25)**

**CAUC506: Enterprise Computing Using Java**

**Lab Work- 2 (JDBC)**

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| **Q1.** | Installation of JDK 11 , NetBeans 17, Oracle 10G |
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| **Q2.** | Creating Demo code for testing: checking PerfectNo, Prime Number and Reversing the Number.  **Demonstration:**  How to Create a project  How to create a package  Then how to write class and defining the methods to accomplish the task in NetBeans. |
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| **Q3.** | Configuration of Java class path, Configuring ojdbc14.jar file in NetBeans |
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| **Q4.** | Creation of Database in Oracle 10G and Fetching record from Java Application |
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| **Q1.** | Write a java program that connects to a database using JDBC and Fetch the records of Student Table .(Assume Suitable Structure: Sno, Sname, Sage, Saddress and Scontactno) |
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| **Q2.** | Write a java program that connects to a database using JDBC and insert the records into Student Table from Java Application.(Assume Suitable Structure: Sno, Sname, Sage, Saddress and Scontactno) |
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| **Q3.** | Write a java program that connects to a database using JDBC and delete the records of Student from Student Table in Java Application.(Assume Suitable Structure: Sno, Sname, Sage, Saddress and Scontactno) |
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| **Q4.** | Write a java program that connects to a database using JDBC and update the records of Student into Student Table from Java Application.(Assume Suitable Structure: Sno, Sname, Sage, Saddress and Scontactno) |
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| **Q5.** | Create a JDBC application to Insert User Registration details like RegistrationNo, Username, Password, Email into UserRegistration table. Also perform update and delete operations on specified rows. Fetch the record and display it on the console. |

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**Lab Work- 3 (JDBC)**

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| **Q1.** | Write a java program that connects to a database using JDBC and Insert a Record into Student table Using PreparedStatement. |
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| **Q2.** | Write a java program that connects to a database using JDBC and Delete a Record into Student table Using PreparedStatement. |
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| **Q3.** | Write a java program that connects to a database using JDBC and Update Record into Student table Using PreparedStatement. |
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| **Q4.** | Write a procedure in Oracle to accept Sno from Student and get Sname and Sage from Student table. Also Write Java Application to fetch Sname and Sage from Student table using Callable Statement(Assume Suitable table Structure). |
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| **Q5.** | Write a function in Oracle to accept Number and find the reverse of a given Number. Also Write Java Application to find Reverse Number using CallableStatement. |
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| **Q6.** | Write a Java Application to demonstrate Scrollable ResultSet to get the record at specific given position from ResultSet in JDBC. |
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| **Q7**. | Write a Java Application to demonstrate ResultSetMetaData to get the information about the ResultSet in JDBC. |
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| **Q8.** | Write a procedure in Oracle to accept Sno from Student and calculate the age pf the student from Student table using Callable Statement(Assume Suitable table Structure. |
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| **Q9.** | Write a Java Application to implement the demo of Transaction Management in JDBC. |
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