GLS UNIVERSITY
BCA (SEM-V)
SUBJECT: 0301502 Advance Java
ASSIGNMENT – 5 (Database Connectivity)

A. Fill in the blanks

1. JDBC stand for _____ .

2. ODBC stand for _____.

3. The _____ driver acts as the interface between a database and java application or applet.

4. The _____ driver converts theJDBC API to ODBC API and sends its to the databse server.

5. In _____ driver JDBC requests are translated to the Call Level Interface (CLI)

6. In _____ driver the Native Database Libraries (CLI) is stored in the remote server.

7. The _____ driver is 100% java and does not make use of any CLI native libraries.

8. The _____ package is used for database connection.

9. _____ method is used to load driver.

10 _____ method is used to execute the query.

B. State True or False

1. The Java Application Program Interface (API) makes a connection between java application or applet and a database management system. [T / F]

2. The JDBC ODBC drivers supporting Java language are classifed into four types. [T / F]

3. The JDBC-ODBC driver has to be installed in the client side. [T / F]

4. The Driver Manager is class of java.sql package. [T / F]

5. The Connection is interface of java.sql package. [T / F]

6. The ResultSet is interface of java.sql package. [T / F]

7. The getConnection() method is used to set the connection with database server. [T / F]

8. The createStatement() methhod is used to create new statement. [T / F]

9. Database URLs have three components. [T / F]

10.. A PreparedStatement object is used to execute dynamic SQL statement with IN paremeter. [T / F]

C. Explain in Detail

1. Explain JDBC-ODBC Bridge Driver with diagrm.

2. Explain Native API – Partly Java Driver with diagram.

3. Explain JDBC Net -All - Java Driver with diagram.

4. Explain Native-Protocol-All-Java Driver with diagram.

5. Write steps for the database connetion.

6.   Write a short note on Driver Manager class

7.   Explain all the methods of Connection interface.

8.   Explain all the methods of Statement interface.

9.   Explain all the method of PreparedStatement Interface.

10. Explain alll the method of CallableStatement Interface.

11. Explain alll the method of ResultSet Interface.

Question set A and B are Compulsory for each student. Question Set C need to attempt as follow:

Sr. No	Group No.	Questions
1.	A01 To A10 B01 TO B10 C01 TO C10	1,5
2.	A11 TO A20 B11 TO B20 C11 TO C20	2,7
3.	A21 TO A30 B21 TO B30 C21 TO C30	3,9
4.	A31 TO A40 B31 TO B40 C31 TO C40	4,4
5.	A41 TO A50 B41 TO B50 C41 TO C50	5,2
6.	A51 TO A60 B51 TO B60 C51 TO C60	6,1
7.	A61 Onwards B61 Onwards C61 Onwards	7,3
8.	A71 To A80 B71 TO B80 C71 TO C80	8,4
9.	A81 TO A90 B81 TO B90 C81 TO C90	9,6
10.	A91 onwards B91 onwards C91 onwards	10,11