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## OBJECT ORIENTED PROGRAMMING WITH JAVA

### Assignment 11

#### TYPE OF QUESTION: MCQ

Number of questions: 10

Total mark:  $10 \times 1 = 10$

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#### **QUESTION 1:**

Which of the following statement is TRUE?

- a. SQL is a database management system based on relational algebra.
- b. SQL is a programming language like C, C++ and Java.
- c. SQL is case-sensitive.
- d. SQL is used in Java programs with JDBC to process data in DBMS.

**Correct Answer: d**

#### **Detailed Solution:**

SQL is not a DBMS like MySQL. It is a command processing using 4GL unlike all programming languages, which are 3GL and SQL is not-case-sensitive.

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#### **QUESTION 2:**

The package, which is required to be imported for the JDBC programming?

- a. java.net
- b. java.sql
- c. java.lang
- d. java.io

**Correct Answer: b**

#### **Detailed Solution:**

All classes and interfaces related to JDBC are defined in java.sql package.

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**QUESTION 3:**

Which of the following SQL command(s) is/are used for entering a new record into a table, say TEST?

- a. SELECT
- b. CREATE
- c. INSERT
- d. UPDATE

**Correct Answer: c**

**Detailed Solution:**

The INSERT INTO command is used to insert a record in to a table provided that a table already exists. If the table contains record, then the current record will be added at the end of the table.

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**QUESTION 4:**

Which JDBC driver is efficient and always preferable for using JDBC applications?

- a. Type – 1
- b. Type – 2
- c. Type – 3
- d. Type – 4

**Correct Answer: d**

**Detailed Solution:**

The JDBC Driver Type-4 is better compared to all other drivers because it performs better than all other drivers. No software is required at client side or server side.

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**QUESTION 5:**

In JDBC, all raw data types (including binary documents or images) should be read and uploaded to the database as an array of

- a. int
- b. char
- c. byte
- d. String

**Correct Answer: c**

**Detailed Solution:**

All data types should be read and uploaded to the database as an array of bytes.

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**QUESTION 6:**

Which of the following method(s) is/are used to set the query parameters of the PreparedStatement Object?

- a. putString()
- b. insertString()
- c. setString()
- d. setInt()

**Correct Answer: c, d**

**Detailed Solution:**

The setter methods (setShort, setString, and so on) for setting input parameter values must specify types that are compatible with the defined SQL type of the input parameter.

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**QUESTION 7:**

Which of the statements are correct about JDBC transactions?

- a. A transaction is a set of successfully executed statements in the database
- b. A transaction is finished when commit() or rollback() is called on the Connection object,
- c. A transaction is finished when commit() or rollback() is called on the Transaction object
- d. A transaction is finished when close() is called on the Connection object.

**Correct Answer: b, d**

**Detailed Solution:**

A transaction is finished when commit(), rollback() or close() method is called on the Connection object.

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**QUESTION 8:**

Which one of the following contains date information?

- a. java.sql.TimeStamp
- b. java.sql.Time
- c. java.io.Time
- d. java.io.TimeStamp

**Correct Answer: a**

**Detailed Solution:**

java.sql.Time contains only time. Whereas, java.sql.TimeStamp contains both time and date.

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**QUESTION 9:**

Execution of SQL command like SELECT \* FROM myTable using JDBC program will return a ResultSet object. This object is

- a. Same as the myTable.
- b. All records in verbatim from the table.
- c. All records in verbatim from the table but those records with null values.
- d. All records in verbatim from the table but those records are not with null values.

**Correct Answer: b**



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**QUESTION 10:**

The following is a statement in Java using JDBC.

```
Connection con = DriverManager.getConnection  
("jdbc:mysql://localhost:3306/nptel","joy","java");
```

Which of the following statement is **FALSE**?

- a. 3306 is the default MySQL port.
- b. Database name is '*nptel*'
- c. The database server is hosted on IP 127.0.0.1
- d. Password for '*java*' user is '*joy*'

**Correct Answer: d**

**Detailed Solution:**

Password for user '*joy*' is '*java*'.

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