**QUIZ -1 Hibernate**

**Competency Unit -STCESADJ2EE 604**

**Module-06**

**Total Marks-30**

1. Choose true

1.Hibernate is a framework.

2.Hibernate is an object-relational mapping (ORM) library for the Java language

3.Hibernate provides a mapping for object-oriented domain model to a traditional relational database.

4.All of the above

5.None

2. Hibernate lets you develop persistent classes following common Java idiom - including association, inheritance, polymorphism, composition and the Java collections framework.

1.True 2.False

3. What is ORM?

1.ORM stands for object/relational mapping.

2.ORM is the automated persistence of objects in a Java application to the tables in a relational database.

3.Both of Above

4.None

4. The Hibernate XML configuration file name is?

1.hibernate.cfg.xml 2.hibernate.config.xml 3.hibernate.cg.xml 4.None

5. The most common methods of Hibernate configuration

1. XML configuration in hibernate.cfg.xml

2. XML configuration in hibernate.config.xml

3. Programmatic configuration

4. None

6. Which of following are Core interfaces of Hibernate framework

1.Session interface 2.SessionFactory interface

3.Configuration interface 4.Transaction interface

5.Query and Criteria interfaces

7. Is SessionFactory a thread safe object?

1.Yes 2.No

8. Choose correct Instance states of persistent classes?

1.transient 2.persistent 3.detached

4.All of Above 5.None

9. How you can enable the query cache?

By setting Property name:-

1.hibernate.cache.use\_query\_cache true/false

2.hibernate.cache.use\_query\_cache 0/1

3.hibernate.cache.use \_cache true/false

4.hibernate.cache.use\_ \_cache 0/1

10. Choose correct hibernate SQL Dialects (hibernate.dialect) combinations

1.For DB2 // org.hibernate.dialect.DB2Dialect

2.For MySQL //org.hibernate.dialect.MySQLDialect

3.For Oracle 9i/10g //org.hibernate.dialect.Oracle9Dialect

4.All of the above

11. Which of the following integration points Hibernate have for J2EE infrastructure?

1.Container-managed datasources

2.Automatic JNDI binding

3.JTA Session binding

4.JMX deployment

12. There are three standard (built-in) choices:

Which is default Transaction strategy configuration?

1.org.hibernate.transaction.JDBCTransactionFactory

2.org.hibernate.transaction.JTATransactionFactory

3.org.hibernate.transaction.CMTTransactionFactory

13. Does hibernate require persistent classes to implement Serializable?

|  |  |
| --- | --- |
| 1. | Required |
| 2. | Not Required |
| 3. | None |

14. How to get Connection object from session?

|  |  |
| --- | --- |
| 1. | session.getConnection(); |
| 2. | session.connection(); |
| 3. | session.createConnection(); |
|  |  |
| 4. | None |

15. How can you make a property be read from the database but not modified in anyway

|  |  |
| --- | --- |
| 1. | By using the insert="false" and update="false" attributes. |
| 2. | By using the isinsert="false" and isupdate="false" attributes. |
| 3. | By using the isinsert="no" and isupdate="no" attributes. |
| 4. | None |

16. If you are not certain that a matching row exists in the database then which method is the best?

|  |  |
| --- | --- |
| 1. | Session.load(); |
| 2. | Session.get(); |
| 3. | Session.fetch(); |
| 4. | None of the above |

Bottom of Form

17. What does hibernate.show\_sql true mean ?

|  |  |
| --- | --- |
| 1. | show sql statement on console. |
| 2. | show sql inputs on console. |
| 3. | both. |
| 4. | None |

18. SessionFactory represents which level of cache?

|  |  |
| --- | --- |
| 1. | 2nd |
| 2. | Ist |
| 3. | 3rd |
| 4. | 4th |

19. HQL is used in?

|  |  |
| --- | --- |
| 1. | session.createQuery(); |
| 2. | session.createCriteria(); |
| 3. | session.createSQLQuery(); |
| 4. | session.lod(); |

20. Difference between Emp e = session.load(Emp.class) and Emp e = session.createCriteria(Emp.class) ?

|  |  |
| --- | --- |
| 1. | On session close session.load() Emp Object unavilabe to access. |
| 2. | On session close session.createCriteria() Emp unavilabe to access. |
| 3. | None |

21. Employee emp = session.load(Employee .class);   
session.close();   
Is Employee object available to access ?

|  |  |
| --- | --- |
| 1. | Yes |
| 2. | No |

22. What is the naming convention for Hibernate XML mapping file extensions?

|  |  |
| --- | --- |
| 1. | hibernate.xml |
| 2. | hbm.xml |
| 3. | hibernate\_data.xml |
| 4. | none |

23. Which of the following database is not supported by Hibernate?

A - DB2/NT

B - MySQL

C - FoundationDB

D - PostgreSQL

24. Which of the following is the root node of hbm.xml file?

A - hibernate-mapping

B - hibernate-config

C - class-mapping

D - class-config

25. Which of the following is true about hibernate.dialect property in hibernate configuration?

A - This property makes Hibernate generate the appropriate SQL for the chosen database.

B - This property makes Hibernate generate the appropriate java code for the chosen database.

C - Both of the above.

D - None of the above.

26. Which element of hbm.xml defines maps the unique ID attribute in class to the primary key of the database table?

A - id

B - generator

C - primaryKey

D - None of the above.

27. Which of the following is true with respect to ORM vs JDBC?

A - ORM system lets business code access objects rather than DB tables.

B - ORM system hides details of SQL queries from OO logic.

C - ORM system helps in Transaction management and automatic key generation.

D - All of the above.

28. length attribute of @Column annotation permits the size of the column used to map a value particularly for a String value.

A - false

B - true

29. Which of the following is true about HQL?

A - Hibernate Query Language (HQL) is an object-oriented query language.

B - Instead of operating on tables and columns, HQL works with persistent objects and their properties.

C - Both of the above.

D - None of the above.

30. Which of the following is a concurrency strategy in hibernate?

A - Transactional

B - Read-write

C - Nonstrict-read-write.

D - All of the above.