

M.Sc.(IT & CA) Semester - 1 (CBCS) Examination**Jan/Feb.-2022 [NEW COURSE]****APPLICATION DEVELOPMENT USING ADVANCE JAVA(CORE)****Time: 1:30 Hours****Marks: 42****Instructions:**

1. Figures to the right indicate marks.
2. There are five questions in the question paper.
3. Answer any three of the following questions.

Q.1(A) Answer the following questions. (03)

1. JMS stands for.
2. AOP stands for.
3. Founder of spring framework?

Q.1(B) Answer the following question. (Any two) (06)

1. Write a steps how to create spring application in eclipse.
2. Explain advantage of spring framework.
3. Explain SI dependent object.
4. Explain CI Inheriting Bean.

Q.1(C) Answer the following question. (Any one) (05)

1. List SI with Collection. Explain any one in detail.
2. Explain Spring Modules in detail.

Q.2(A) Answer the following questions. (03)

1. RMI stands for.....
2. Which sign used for prepared statement?
3. Full name of JDBC.

Q.2(B) Answer the following question. (Any two) (06)

1. Explain RowMapper with example.
2. Explain Operators in SpEL.
3. Explain Http Invoker in detail.
4. Explain Spring with RMI.

Q.2(C) Answer the following question. (Any one) (05)

1. Explain prepared statement with example.
2. Explain JdbcTemplate with suitable example.

Q.3(A) Answer the following questions. (03)

1. Founder of Hibernate framework.
2. HQL stands for.
3. JAXB stands for.

- Q.3(B) **Answer the following question. (Any two)** (06)
1. Write steps how to create hibernate application in myeclipse.
 2. Explain advantage of hibernate framework.
 3. Explain hibernate with annotation.
 4. Explain hibernate Generator classes
- Q.3(C) **Answer the following question. (Any one)** (05)
1. Explain hibernate architecture in detail.
 2. What is Dialects? List direct dialects support by hibernate.
- Q.4(A) **Answer the following questions.** (03)
1. What is Lazy Collection?
 2. List Inheritance Mapping.
 3. Which sign used to define annotation entity?
- Q.4(B) **Answer the following question. (Any two)** (06)
1. Explain Table Per Concrete.
 2. Explain One-to-many by Set
 3. What is mapping set?
 4. Explain one-to-many using XML
- Q.4(C) **Answer the following question. (Any one)** (05)
1. Explain Many-to-many by Map with example.
 2. Explain One To Many using Annotation.
- Q.5(A) **Answer the following questions.** (03)
1. Full Form of HQL
 2. HCQL stands for
 3. ORM stands for
- Q.5(B) **Answer the following question. (Any two)** (06)
1. Explain Hibernate and Struts.
 2. Explain One-to-one using Primary Key
 3. Explain commit and rollback command.
 4. Explain advantage and disadvantage of HQL.
- Q.5(C) **Answer the following question. (Any one)** (05)
1. Explain Hibernate Transaction Management
 2. Explain Hibernate Second Level Cache
