

M.Sc.(IT & CA) Semester - 1 (CBCS) Examination**Nov/Dec - 2022 [OLD COURSE]****APPLICATION DEVELOPMENT USING ADVANCE JAVA(CORE)****Time: 2:30 Hours****Marks: 70****Instructions:**

1. All questions are compulsory.
 2. Figures to the right indicate marks.
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- Q-1 (A) Attempt Following [4]
1) AOP stands for
2) JDBC stands for
3) What Spring Framework?
4) Full name of SI.
- Q-1 (B) Attempt any One [2]
1) Explain advantage of spring framework.
2) How to create spring application in eclipse.
- Q-1 (C) Attempt any One [3]
1) Explain Pointcut and Advices
2) Explain SI with List.
- Q-1 (D) Attempt Any One [5]
1) Explain how to implement AOP.
2) Explain CI dependent object with example.
- Q-2 (A) Attempt Following [4]
1) JPA stands for
2) Full name of MVC.
3) What is JdbcTemplate?
4) Which sign used for prepared statement?
- Q-2 (B) Attempt any One [2]
1) Explain Spring with xstream
2) Explain NamedParameter.
- Q-2 (C) Attempt any One [3]
1) Explain ResultSetExtractor.
2) Explain Variables in SpEL
- Q-2 (D) Attempt Any One [5]
1) Explain Spring with JMS.
2) Write a code to add new record and display all record using JdbcTemplate.
- Q-3 (A) Attempt Following [4]
1) JAXB stands for.
2) OXM stands for.
3) Founder of Hibernate framework.
4) HQL stands for.....
- Q-3 (B) Attempt any One [2]
1) Explain Spring with Struts2.
2) Explain Spring with Castor

- Q-3 (C) Attempt any One [3]
1) Write steps how to create Hibernate in Eclipse
2) Explain Hibernate Dialects.
- Q-3 (D) Attempt Any One [5]
1) Explain Hibernate with annotation.
2) Explain Hibernate Architecture.
- Q-4 (A) Attempt Following [4]
1) What is Inheritance?
2) What is Collection with Bag?
3) List Inheritance Mapping.
4) The Association mapping ____ directional.
- Q-4 (B) Attempt any One [2]
1) Explain One to Many Relationships.
2) Explain Mapping List.
- Q-4 (C) Attempt any One [3]
1) Explain table per concrete using Annotation
2) Explain Mapping Set
- Q-4 (D) Attempt Any One [5]
1) Explain One-to-many by Bag With suitable Example.
2) Explain One To Many and Many to Many by List with suitable example.
- Q-5 (A) Attempt Following [4]
1) Full Form of HCQL.
2) Full Form of OXM
3) What is foreign key?
4) A _____ is a mapping for a class having a reference to another class as a Member variable.
- Q-5 (B) Attempt Any One [2]
1) List of Database support of HQL language.
2) Explain First Level Cache
- Q-5 (C) Attempt Any One [3]
1) Explain Primary key and Foreign Key.
2) Explain One-to-one using Primary Key
- Q-5 (D) Attempt Any One [5]
1) Explain Hibernate Transaction Management
2) Explain Hibernate with spring
