

M.Sc.(IT & CA) Semester - 1 (CBCS) Examination
Oct/Nov. -2019 - [NEW 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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- Que-1 (A) Answer the following questions. (03)
- (1) Full form of MVC.
 - (2) Full form of JSP.
 - (3) Full form of JDBC.
- (B) Answer the following questions. (Any Two) (06)
- (1) Give the difference between SI and CI.
 - (2) List Out the module of Spring Framework.
 - (3) Write down step of JDBC Connection.
 - (4) What is Setter Injection?
- (C) Answer the following question. (Any One) (05)
- (1) Explain CI with map with example.
 - (2) Explain SI Dependent Object with example.
- Que-2 (A) Answer the following questions. (03)
- (1) Full form of JPA.
 - (2) Full form of RMI.
 - (3) Full form of SpEL.
- (B) Answer the following question. (Any Two) (06)
- (1) Explain Hessian.
 - (2) Explain Operator in SpEL.
 - (3) Explain NamedParamater.
 - (4) Explain RowMapper.
- (C) Answer the following question. (Any One) (05)
- (1) Write a program to execute simple hibernate with spring.
 - (2) Explain JdbcTemplate with its method.
- Que-3 (A) Answer the following questions. (03)
- (1) Full form of JAXB.
 - (2) Explain generator class?
 - (3) What is Castor?
- (B) Answer the following question. (Any Two) (06)
- (1) Explain spring with Xstream.
 - (2) Give the Advantages of Hibernate framework.
 - (3) Explain Architecture of Hibernate framework.
 - (4) Explain@Table annotation.
- (C) Answer the following question. (Any One) (05)
- (1) Write a Program Hibernate with annotation.
 - (2) Write a Program Hibernate without annotation.

- Que-4 (A) Answer the following questions. (03)
- (1) What is lazy collection?
 - (2) Explain set collection.
 - (3) What is Bidirectional?
- (B) Answer the following question. (Any Two) (06)
- (1) Explain Table per subclass inheritance in hibernate.
 - (2) Explain mapping map.
 - (3) Explain mapping bag.
 - (4) Explain mapping set.
- (C) Answer the following question. (Any One) (05)
- (1) Write a program of Table per Hierarchy inheritance with annotation.
 - (2) Write a program of Table per Concrete inheritance without annotation.
- Que-5 (A) Answer the following questions. (03)
- (1) Full form of HQL.
 - (2) What is PrimaryKey?
 - (3) Full form of HCQL.
- (B) Answer the following question. (Any Two) (06)
- (1) Explain method of Query Interface. (any three)
 - (2) Difference between HQL and HCQL.
 - (3) How many types of association mapping are possible in hibernate? List out.
 - (4) Give Advantage of spring framework with hibernate.
- (C) Answer the following question. (Any One) (05)
- (1) Write a program to execute the hibernate and spring.
 - (2) Write a program to execute the hibernate and struts.
