

M.Sc.(IT & CA) Semester - 1 (CBCS) Examination
OCT/NOV-2024 (AS PER SYLLABUS YEAR JUNE-2023)

Application Development using Advance Java (Core (New-23))

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 JSP.
 2. Full Form MVC.
 3. Full Form JDBC.
- Que.1(B) Answer the following question. (Any Two) (06)
1. Explain JDBC Architecture in brief.
 2. Write down the code to perform insert and delete operations for JDBC Connectivity.
 3. Explain the Spring Module in brief.
 4. Explain CI with a Dependent Object through a Suitable example.
- Que.1(C) Answer the following question. (Any one) (05)
1. Explain SI with Collection through a suitable example.
 2. Difference between CI and SI.
- Que.2(A) Answer the following questions. (03)
1. Full Form RMI.
 2. Full Form SpEL
 3. Full Form JPA.
- Que.2(B) Answer the following question. (Any Two) (06)
1. Explain the Prepared Statement with a suitable example.
 2. Explain Operators in SpEL in brief.
 3. Explain Spring with RMI in brief.
 4. Explain the Name Parameter in brief.
- Que.2(C) Answer the following question. (Any one) (05)
1. Explain HTTP Invoker in brief.
 2. Explain Resultset Extractor in brief.
- Que.3(A) Answer the following questions. (03)
1. Full Form OXM.
 2. Full Form of ORM.
 3. Full Form of JAXB.
- Que.3(B) Answer the following question. (Any Two) (06)
1. Explain Spring with Castor in brief.
 2. Explain Spring with JAXB in brief.
 3. Explain Hibernate in brief.
 4. Explain Spring with X-Stream in brief.
- Que.3(C) Answer the following question. (Any one) (05)
1. Explain Hibernate Architecture in brief.
 2. Explain Hibernate Dialects in brief.

- Que.4(A) Answer the following questions. (03)
1. Full Form XML.
 2. Define Inheritance Mapping.
 3. Define Collection Mapping.
- Que.4(B) Answer the following question. (Any Two) (06)
1. Explain the Table Per Hierarchy using Inheritance Mapping in brief
 2. Explain the One-to-many by Set using collection Mapping in brief.
 3. Explain Bidirectional Mapping in brief.
 4. Explain the Lazy Collection in Brief.
- Que.4(C) Answer the following question. (Any one) (05)
1. Explain One-to-many by Bag using Collection Mapping in brief.
 2. Explain the Table Per Subclass using Annotation with Inheritance Mapping in brief.
- Que.5(A) Answer the following questions. (03)
1. Full Form HQL.
 2. Full Form HCQL.
 3. Define Primary Key.
- Que.5(B) Answer the following question. (Any Two) (06)
1. Explain First Level Cache in brief.
 2. Explain Hibernate and Spring in brief.
 3. Explain Component Mapping in brief.
 4. Explain One-to-one Mapping using the Primary Key in brief.
- Que.5(C) Answer the following question. (Any one) (05)
1. Explain the Second Level Cache in brief.
 2. One-to-one Mapping using Foreign Key in brief.
