

**M.Sc. (I.T. & C.A.) Semester - 1 (CBCS) Examination**  
**October/November-2018 (New Course)**  
**Application Development Using Advabce Java**  
**(Core-1)**

**Time: 2:30 Hours****Marks: 70****Instructions:**

1. All questions are compulsory.
2. Figures to the right indicate marks.

Que-1	Answer the following questions.	
(A)	Do As Directed. (Short Questions) 1. Full form of JDBC is _____. 2. Full form of CI is _____. 3. What is MVC?	(03)
(B)	Answer Any Two. 1. What is Dependency Injection? List out types of Dependency Injection. 2. Differentiate: CI & SI. 3. What is spring? Explain Spring Modules.	(06)
(C)	Answer Any One. 1. Write a program to execute any one collection of SI. 2. Write a program for auto wiring.	(05)
Que-2	Answer the following questions.	
(A)	Do As Directed. (Short Questions) 1. What is Burlap? 2. Define L Hessian. 3. What is RMI?	(03)
(B)	Answer Any Two. 1. Define variables in SPEL. 2. What is simpleJdbc template? 3. Explain spring with JPA.	(06)
(C)	Answer Any One. 1. Create a simple spring project that will explain the utility of prepared statement. 2. Create a spring project that will illustrate the use of RowMapper.	(05)
Que-3	Answer the following questions.	
(A)	Do As Directed. (Short Questions) 1. Full form of OXM is _____. 2. Explain the term Xstream in spring? 3. Full form of JAXB is _____.	(03)
(B)	Answer Any Two. 1. Explain @Entity annotation with suitable example. 2. Explain @Table annotation. 3. What is Dialects? List the different dialects supported by hibernate.	(06)
(C)	Answer Any One. 1. Explain Hibernate with log4j with XML file. 2. Explain Hibernate jar files.	(05)
Que-4	Answer the following questions.	
(A)	Do As Directed. (Short Questions) 1. What is Lazy Collection? 2. Which sign is used to define annotation entity? 3. Differentiate: Bag v/s List.	(03)
(B)	Answer Any Two. 1. Map and Bag of collection mapping. 2. Explain Mapping List. 3. Explain Table per concrete.	(06)

(C)	Answer Any One. 1. Create a project illustrating Table per subclass. 2. Write a program to execute Mapping Bag one to one in Collection Mapping.	(05)
Que-5 (A)	Answer the following questions. Do As Directed. (Short Questions) 1. Full form of JTA is _____. 2. Define : Primary Key. 3. Define : Cache.	(03)
(B)	Answer Any Two. 1. Explain Transaction Management File. 2. Define : Named Query. 3. Differentiate : HQL v/s HCQL.	(06)
(C)	Answer any One. 1. Create a project illustrating one to one using primary key. 2. Create a project illustrating one to one using foreign key.	(05)

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