

M.Sc.(IT & CA) Semester - 1 (CBCS) Examination**Oct/Nov. -2019 - [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.

Q – 1 :**A) Answer followings question: 04**

- 1) Full form of CI.
- 2) What is point cut?
- 3) Full form of AOP.
- 4) What is advices?

B) Answer the following question: (Any one) 02

- 1) Explain CI and SI.
- 2) Explain CI Dependent Object.

C) Answer the following question: (Any One) 02

- 1) Explain architecture of Spring Framework.
- 2) Explain advantages of Spring Framework.

D) Answer the following question: (Any One) 05

- 1) Write a program CI with collection.
- 2) Write a program SI with Map.

Q – 2 :**A) Answer followings question: 04**

- 1) Full form JPA.
- 2) Full form RMI.
- 3) Full form JMS.
- 4) What is HttpInvoker?

B) Answer the following question: (Any One) 02

- 1) Explain Spring with JPA?
- 2) Explain operators in SpEL.

C) Answer the following question: (Any One) 03

- 1) Explain Spring with RMI.
- 2) What is Namedparameter?

D) Answer the following question : (Any One) 04

- 1) Write a program jdbc Template in Spring.
- 2) Write a program Prepared Statement in Spring.

Q – 3 :**A) Answer followings question: (Only Three) 04**

- 1) Full form of JAXB.
- 2) What is castor?
- 3) What is dialects?
- 4) What is struts?

B) Answer the following question: (Any one) 02

- 1) What is Generator class in hibernate?
- 2) Explain hibernate with Xstream.

- C) **Answer the following question: (Any One)** 03
 1) Explain architecture of Hibernate Framework.
 2) Explain advantages of Hibernate Framework.
- D) **Answer the following question: (Any One)** 05
 1) Write a program Hibernate application with Annotation.
 2) Write a program Hibernate application without Annotation.
- Q – 4 :**
- A) **Answer followings question:** 04
 1) Explain Bidirectional.
 2) What is Collection mapping?
 3) What is Inheritance mapping?
 4) Explain list Collection.
- B) **Answer the following question: (Any one)** 02
 1) Explain Table per Hierarchy.
 2) Explain Bag Collection.
- C) **Answer the following question: (Any One)** 03
 1) Explain Map Collection.
 2) Explain Set Collection.
- D) **Answer the following question: (Any One)** 05
 1) Write a program Table per sub class without Annotation.
 2) Write a program Table per concrete class with Annotation.
- Q – 5 :**
- A) **Answer followings questions:** 04
 1) Full form of HQL.
 2) Full form of HCQL.
 3) What is Componenet Mapping?
 4) Explain Transcation Management.
- B) **Answer the following question: (Any one)** 02
 1) How many types of association mapping are possible in Hibernate? And list out.
 2) Difference between HQL and HCQL.
- C) **Answer the following question: (Any One)** 03
 1) Explain Query Interface with any two methods.
 2) Explain First level cache and Second level cache.
- D) **Answer the following question: (Any One)** 05
 1) Write a program to execute hibernate with spring.
 2) Write a program to execute hibernate with struts.
