

GUJARAT TECHNOLOGICAL UNIVERSITY
ME - SEMESTER- EXAMINATION – WINTER 2014

Subject Code: 3715301**Date: 06/01/2015****Subject Name: Advanced Object Oriented Programming****Time: 02:30 pm to 05:00 pm****Total Marks: 70****Instructions:**

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

- Q.1** (a) Explain different ways to configure Spring Bean. **07**
(b) What is spring framework? Explain its different modules that provide a range of services. **07**
- Q.2** (a) What is a Tag Library? Explain different Tag Libraries used into struts framework. **07**
(b) Explain struts and steps involved in its implementation **07**
- OR**
- (b) Write a short note on struts specific form tag. **07**
- Q.3** (a) Describe different Core interfaces of Hibernate framework. **07**
(b) What is lazy initialisation in hibernate? **07**
- OR**
- Q.3** (a) Write a short note on Hibernate proxy. **07**
(b) What are the difference between Entity Beans and Hibernate? **07**
- Q.4** (a) Write an application for access EJB session Bean into servlet. **07**
(b) Explain session tracking. What are the types of Session Tracking? **07**
- OR**
- Q.4** (a) Write an application to access web.xml files parameters into servlet. **07**
(b) Explain in detail servlet-to-servlet communication. **07**
- Q.5** (a) What do you understand by thread-safety? Why is it required? And finally, how to achieve thread-safety in Java Applications? **07**
(b) What is the use of CallableStatement ? Name the method, which is used to prepare a CallableStatement. **07**
- OR**
- Q.5** (a) Explain JDBC and different drivers & their role in JDBC. **07**
(b) Explain K Virtual Machine and its architecture. **07**
