

GUJARAT TECHNOLOGICAL UNIVERSITY
BE – SEMESTER – VI (NEW).EXAMINATION – WINTER 2016

Subject Code: 2160707**Date: 24/10/2016****Subject Name: Advanced Java****Time: 10:30 AM to 01:00 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) What is JDBC? Explain the types of JDBC drivers? Write a code snippet for each type of JDBC connection. **07**
(b) Explain JSF Standard Component in detail. **07**
- Q.2** (a) Explain the use of PreparedStatement with appropriate example. **07**
(b) What is filter? What is its use? List different filter interfaces with their important methods. **07**
- OR**
- (b) Write a short note on JSF Facelets. **07**
- Q.3** (a) What is Server Socket? Explain in detail with an example. **07**
(b) Write a TCP Client-Server program to get the Date & Time details from Server on the Client request. **07**
- OR**
- Q.3** (a) What is Datagram Socket? Explain in detail with example. **07**
(b) Write a UDP Client-Server program in which the Client sends any string and Server responds with Reverse string. **07**
- Q.4** (a) Explain JSP Tag library with example. **07**
(b) Explain Request and Response object in Servlet. **07**
- OR**
- Q.4** (a) Compare JSP with Servlet. **07**
(b) Write a Java Servlet to demonstrate the use of Session Management. **07**
- Q.5** (a) What is HQL? How does it differ from SQL? Give its advantages. **07**
(b) Explain the action tags used to access the JavaBeans from a JSP page with example. **07**
- OR**
- Q.5** (a) Draw and explain the architecture of Hibernate. **07**
(b) Explain MVC architecture in detail with figure. **07**
