

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**
