

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-VII (OLD) EXAMINATION – SUMMER 2019

Subject Code: 170703

Date: 16/05/2019

Subject Name: Advance Java Technology

Time: 02:30 PM TO 05:00 PM

Total Marks: 70

Instructions:

Attempt all questions.

Make suitable assumptions wherever necessary.

Figures to the right indicate full marks.

Q.1 (a) Explain Hibernate Architecture. 07

(b) Explain serialization of objects. Why do you need it? Explain SQL tag library 07

Q.2 (a) List and explain different features of Swing and AWT components. 07

(b) Draw and explain J2EE architecture. 07

OR

(b) Draw and explain RMI architecture. 07

Q.3 (a) Explain the action tags used to access the JavaBeans from a JSP page with example 07

(b) Explain transaction handling using JSTL 07

OR

Q.3 (a) What is the use of filter in Servlet? Explain with suitable example. 07

(b) Explain various JDBC Drivers. 07

Q.4 (a) Draw and explain life cycle of Servlet. 07

(b) Explain Request and Response Object in Servlet. 07

OR

Q.4 (a) Explain MVC Architecture. 07

(b) What is HQL? How does it differ from SQL? Give its advantages. 07

Q.5 (a) What is datagram socket explain with example. 07

(b) What is server Socket ? How it work in java ? Explain it with example. 07

OR

Q.5 (a) Explain the use of CallableStatement and PreparedStatement with example. 07

(b) Give the characteristics of the HTTP protocol and explain the GET, HEAD and PUT methods of the HTTP protocol. 07