



**LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034**

**M.C.A. DEGREE EXAMINATION – COMPUTER APPLICATIONS**

**FOURTH SEMESTER – APRIL 2016**

**CA 4954 - ADVANCED JAVA**

Date: 23-04-2016  
Time: 09:00-12:00

Dept. No.

Max. : 100 Marks

**PART-A**

**Answer ALL Questions:**

**10\*2=20**

1. What are the advantages of n tier architecture?
2. What is ResultSet?
3. Mention the steps to implement JDBC in Java application.
4. What is an event? List some of the events that may occur during the life cycle of a servlet.
5. List the JSF elements
6. Mention the UI component classes.
7. State the differences between stateless and stateful session bean.
8. Define transaction. Mention its properties.
9. What are the features of entity class in persistent API?
10. Mention the JPQL functions.

**PART-B**

**Answer ALL Questions:**

**5\*8=40**

11.a.) Write short notes on the features of Java EE platform.

**(or)**

b.) Illustrate the Java EE application architecture.

12.a.) Write short notes on servlet collaboration.

**(or)**

b.) What are wrappers? Explain the types of Wrapper class.

13.a.) Illustrate the JSF request processing life cycle.

**(or)**

b.) Write short notes on navigation.

14.a.) Explain the life cycle of Stateful Session Bean.

**(or)**

b.) Define interceptor class. Explain the annotations used to retrieve the life cycle call back method in an interceptor class.

15.a.) Explain the types of entity relationship .

**(or)**

b.) Explain the stages required to execute queries.

**PART-C**

**Answer any TWO Questions:**

**2\*20=40**

16.a.) Explain in detail the MVC architecture.

b.) Define container. what are the types of container? Explain its architecture

17.a.) Explain the session tracking mechanisms.

b.) Discuss UI components.

18.a.) Explain the various transaction models.

b.) Explain the JPQL statements.

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