



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

**M.Sc. DEGREE EXAMINATION – COMPUTER SCIENCE**

**FIRST SEMESTER – APRIL 2014**

**CS 1824 - ADVANCED JAVA PROGRAMMING**

Date : 04/04/2014  
Time : 09:00-12:00

Dept. No.

Max. : 100 Marks

**SECTION-A**

**ANSWER ALL THE QUESTIONS:**

**(10\*2=20)**

1. What is JVM?
2. What is static method?
3. What is applet? Write any two advantages of applet.
4. Differentiate init() and start() method in Applet.
5. Write a note on ResultSet Interface.
6. Write down the task of forName() in JDBC.
7. What is session management?
8. Differentiate doGet() and doPost().
9. Define state.
10. Write any two characteristics of stateless session Bean.

**SECTION-B**

**ANSWER ALL THE QUESTIONS:**

**(5\*8=40)**

11. a) Write a Java program to sort N numbers in ascending order.  
(OR)  
b) Differentiate Abstract classes and interfaces.
12. a) Explain about drawing Graphics using Applet.  
(OR)  
b) Explain about Applet Life cycle.
13. a) Explain the functionalities of JDBC.  
(OR)  
b) Write a Java program to retrieve values from a database table.
14. a) Explain about servlet Life cycle.  
(OR)  
b) Write a code to create an authentication page using JSP.
15. a) Explain the services provided by the EJB container.  
(OR)  
b) Explain the Remote Interface and Home Interface of EJB.

**SECTION-C**

**ANSWER ANY TWO:**

**(2X20=40)**

16. i) Explain Exception Handling in Java with example. (10)  
ii) Discuss the concept of multithreading with example. (10)
17. i) Write java code to update values in a data base using JDBC. (10)  
ii) Explain the session management technique using Hidden Field with an example. (10)
18. i) Explain the life cycle of Stateless Session Bean. (10)  
ii) Explain the different types of EJB. (10)

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