LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

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

FIRST SEMESTER – NOVEMBER 2017

17PCS1MC03 - ADVANCED JAVA PROGRAMMING

Date: 04-11-2017
Time: 01:00-04:00

Dept. No.

Max. : 100 Marks

Section – A

Answer all Questions **(10 X 2 == 20 Marks)**

1. What do you mean by abstract classes? Give example.

2. Define Inheritance.

3. List out the uses of Applets.

4. Why do we need component organizers?

5. Define JDBC. Why do we need JDBC?

6. Write an SQL statement to create a table. Give example.

7. What are the uses of servlets?

8. List out the advantages of JSP.

9. Define Java Bean.

10. What are the components of Java Bean?

Section – B

Answer all Questions **(5 X 8 == 40 Marks)**

11 a).Discuss about overloading methods in JAVA. Give an example.
Or
b).Explain about packages with an example.

12 a).Write a Java code to display graphics using Applets.
Or
b).Discuss in detail about Trees in Swing.

13 a).Describe JDBC driver types with a neat sketch.
Or
b).Write a Java code to retrieve the data from the database using JDBC.

14 a).Discuss the life cycle of a Servlet with a neat diagram.
Or
b).Explain about the JSP tags.

15 a).With a neat sketch explain the EJB architecture.

      Or

 b).Describe the deployment descriptors.

Section – C

Answer any TWO Questions   **(2 X 20 == 40 Marks)**

16 a).Discuss in detail the Hierarchical Inheritance with an example.

 b).Explain with an example the Check box and the Combo box creation using
  Swing.

17 a).Define Stub and Skeleton. Describe how client server communication takes
  place using RMI?

 b).Write a JSP code to implement a client and server communication.

18 a).Discuss in detail the Session and the Message driven Bean.

 b).Explain in detail about the exception handling in Java. Give example.

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