LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

M.Sc. DEGREE EXAMINATION –COMPUTER SCIENCE

FIRST SEMESTER – NOVEMBER 2018

17/18PCS1MC03/CS 1818 – ADVANCED JAVA PROGRAMMING

Date: 27-10-2018   Dept. No.   Max. : 100 Marks
Time: 01:00-04:00

SECTION-A

ANSWER ALL THE QUESTIONS: (10x2=20)

1. What is JVM?
2. Define classes and objects.
3. Write a note on the keyword static.
4. Differentiate init() and start() method in Applet.
5. Write a note on Component organizer.
6. Differentiate ResultSet and ResultSetMetaData interface.
7. What are cookies?
8. Write a note on jspService() method.
9. Write the standard packaging structure of a Java Web application
10. Write down the Characteristic of Stateless session bean.

SECTION-B

ANSWER ALL THE QUESTIONS: (5x8=40)

11. a) Explain about abstract classes with an example.

             (OR)

    b) Explain about interface with an example.
12. a) Explain about Applet life cycle.
             (OR)
     b) Explain about the SWING components.
13. a) Explain the concept of JDBC with an example.
              (OR)
     b) Explain the steps involved to create a RMI application.
14. a) Explain about JSP directives.
             (OR)
     b) Write a code to create an authentication page using JSP.
15. a) Explain the life cycle of stateless session bean
             (OR)
    b) Explain the various components of EJB.

SECTION-C

ANSWER ANY TWOQUESTIONS: (2x20=40)

16. i) Explain about packages with example. (10)
    ii) Discuss the concept of multithreading with example. (10)
17. i) Write a Java code to insert the values in to the table with JDBC.   (10)
    ii) How to manage session with servlet API? Explain with an example. (10)
18. i) Explain the services provided by the EJB container.(10)
    ii) Explain the different types of EJB. (10)

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