LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

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

FIRST SEMESTER – **NOVEMBER 2019**

PCS 1503 – ADVANCED JAVA PROGRAMMING

Date: 01-11-2019   Dept. No.   Max. : 100 Marks

Time: 01:00-04:00

SECTION-A

ANSWER ALL THE QUESTIONS: (10*2=20)

1. Write any two features of java.
2. How java is platform independent?
3. Differentiate static and non-static methods.
4. Define Applet.
5. Write a note on Trees.
6. Write down the task of forName() in JDBC.
7. What is session management?
8. Differentiate doGet() and doPost().
9. Write the standard packaging structure of a Java Web application
10. Write down the Characteristic of EJB.

SECTION-B

ANSWER ALL THE QUESTIONS: (5*8=40)

11. a) Explain about method overriding with an example.

    (OR)

    b) Explain about packages in java.

12. a) Explain about drawing images using applet.

    (OR)

    b) Explain any five SWING components.

13. a) Write a JDBC code to retrieve the information from the database

    (OR)

    b) Explain the steps involved in developing RMI application.

14. a) Explain about Servlet Lifecycle methods.

    (OR)

    b) Explain about JSP scripting elements.

15. a) Explain the various components of EJB.

    (OR)

    b) Explain the EJB architecture.

SECTION-C

ANSWER ANY TWO: **(2X20=40)**

16. i) Discuss exception handling with example.   (10)

    ii) Explain in detail about multithreading with an example.   (10)

17. i) Explain about JDBC with an example.   (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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