J-3|2111   **JAVA PROGRAMMING-314** |0094|NB
SEMESTER-V

Time Allowed: Three Hours   Maximum Marks: 75

Note: The candidates are required to attempt one question each from Section A, B, C and D carrying 15 marks each and the entire Section E consisting of 5 short answer type questions carrying 3 marks each.

SECTION-A

1. Discuss the evaluation of Java. Compare Java with C and C++ programming.

2. Explain various types of operators used in Java.

3. Discuss various decision-making statements in detail.

4. What are the various constructors? Explain constructor overloading in detail.

SECTION-B

5. What is inheritance? Explain various types of inheritance in detail.

6. What is a string? Explain various inbuilt functions for handling strings in Java

7. What are various types of errors? Discuss the procedure for error handling in Java

8. Define multi-threading. How multi-threading is implemented in Java?

SECTION-C

9. Write a short note in the following:

   a) Typecasting.
   b) Precedence and Associativity.
   c) Difference between 'continue' and 'break' statement.
   d) Packages.
   e) Inter thread communication.