

Exam. Code : 105704
Subject Code : 1588

B.Sc. (Information Technology) 4th Semester
JAVA & WEB DESIGNING
Paper—III

Time Allowed—Three Hours] [Maximum Marks—75

Note :— Attempt any **FIVE** questions. All questions carry equal marks.

1. What is a thread in Java ? Describe the Java thread model and properties of a thread. How do you create, extend, suspend, resume and stop a thread ? What was a major reason for giving Java the ability to support multiple threads ?
2. Explain various operators available in Java.
3. Explain the meaning and use of access qualifiers in Java. Give the code segments of each.
4. Write a code using try and catch block, in which each iteration of the for loop obtains two random integers. These two integers are divided by each other, and the result obtained is used to divide any integer value. The final result is put into variable a. If either division operation causes a divide by zero error, it is caught by the catch block. The value of variable a is set to zero and the program continues.

5. Explain various Data types available in Java.
6. Explain the following :
 - (a) Super keyword
 - (b) Final class
 - (c) Abstract class
 - (d) Wrapper classes.
7. Define inheritance. Give an example explaining the concept of multilevel inheritance.
8. Explain various features of Java.

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