

Exam. Code : 107205

Subject Code : 1775

**Bachelor of Computer Application (BCA) 5th Semester
JAVA PROGRAMMING LANGUAGE
Paper—IV**

Time Allowed—3 Hours] [Maximum Marks—75

Note :— There are *eight* questions. Candidates are required to attempt any *five* questions. All questions carry equal marks.

SECTION—A

1. (a) Discuss the following terms with examples :
keywords, identifiers, literals. 3,8,4
 - (b) Write and explain the structure of a Java program.
 - (c) How are comments added in a Java program ? 3,8,4
2. Explain any five string handling functions. 15

SECTION—B

3. (a) How is a package created and used in Java ? 15
 - (b) What are the advantages of using the concept of packages ? 10,5
4. Create an inheritance structure for vehicles. How will you use final, this, and super keywords while developing code for it ? 5,10

SECTION—C

5. Why is multi-threading important ? Write down the complete life cycle of a thread. 3,12
6. What is exception handling ? Explain the meaning of different keywords associated with exception handling. 5,10

SECTION—D

7. How does Java handle data for permanent storage ? Write code to create, read, and close a file structure for storing data for long term use. 5,10
8. Suppose there is a MySQL database to store data about online applicants of a recruitment drive. Write down statements to connect a Java program to the MySQL database and add, manipulate data. 15