BCA/M-21   1904
PROGRAMMING IN CORE JAVA
Paper–BCA-366

Time Allowed : 3 Hours]   [Maximum Marks : 80

Note : Attempt **five** questions in all, selecting **one** question from each Unit. Question No. **1** is compulsory.

Compulsory Question

1. (i)   Explain the precedence & Associativity in Java Operators.   3

   (ii) How can you pass the arguments in the methods in Java.   4

   (iii) Explain the Multilevel Inheritance using examples.   6

   (iv) Distinguish between Checked & Unchecked Exception.   3

UNIT–I

2. (a) Explain the JVM & components of JVM. Also explain the relationship between JDK, JRE & JVM.   8

   (b) Explain else if Ladder with example.   8

3. (a) Explain various Data types available in JAVA.   8

   (b) Write the Program to find the L.C.M. of two given numbers.   8

UNIT–II

4. (a) What do you mean by Nested classes? Explain its categories with example.   8

   (b) What do you mean by Static methods? Explain with example. What are its properties ?   8

5. (a) Explain the concept of Method overriding with the help of a Program.   8

   (b) What do you mean by String Buffer Class? Explain various methods of String Buffer Class.   8

UNIT–III

6. (a) Describe the working of Constructors in Inheritance. Explain using example. 8

(b) What is an Interface? How can you define an Interface in Java? Also distinguish between Class and Interface. 8

7. (a) Explain the concept of Class path setting by using example. 8

(b) Explain the concept of Accessibility of Packages by writing a Program. 8

UNIT–IV

8. (a) What is the use of Finally block in Exception handling? Explain by using example. 8

(b) Explain the Throw & Throws concept of Exception handling. 8

9. Write short notes on the following :

(a) Applet Life Cycle. 6

(b) AWT Components. 10