

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

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