

H-87-21

Roll No.....

Annual Examination, 2021

B.C.A. III (New Course)

B.C.A.-302

Paper II

(Programming in Java)

Time : 3 Hours]

[Maximum Marks : 80

Note : Attempt any two parts from each unit. All questions carry equal marks.

Unit I

1. (a) Define Java. Explain why Java is important to the internet ?
- (b) What is data type ? Explain the different data types of Java.
- (c) Describe the wrapper class with suitable example.

Unit II

2. (a) What are iteration statements ? Explain with example.
- (b) Write a Java program to sort the inputted numbers in descending order using array.
- (c) Explain the anonymous array with example.

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Unit III

3. (a) What is constructor ? Write the use of constructor also.
- (b) Describe the finalize method with example.
- (c) Discuss the member accessibility modifiers of Java.

Unit IV

4. (a) Define interface. How interface differ from class ? Explain with example.
- (b) Write a brief note on nested and inner class.
- (c) What is an exception ? Write a Java program to handle user defined exception.

Unit V

5. (a) What is thread ? Write a Java program to implement multi threading.
- (b) Describe the Byte and Character Stream with example.
- (c) Write the steps to set the JDBC connectivity with backend database.

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