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B.C.A. (Part-III) Examination, 2022
(New Course)
Paper Second
(Programming in Java)
(302)

Time : Three Hours]   [Maximum Marks:80

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

Unit - I

1. (A) What is Vector? Explain the utility of Vector with suitable example.

   (B) Discuss the nested & inner classes with example.

   (C) Write a Java program to check whether the inputted number is prime or not.

Unit - II

2. (A) Describe the Anonymous array with examples.

   (B) Explain the jump statements with example.

   (C) Discuss the operators of Java in detail.

Unit - III

3. (A) Define constructor? Write a java program to demonstrate constructor.

   (B) Write a Java program to demonstrate finalize () method.

   (C) Write a Java program to demonstrate this () and super ().

Unit - IV

4. (A) Define an interface. How an interface differ from a class? Explain with example.

   (B) Discuss the non static inner class and local class with example.

   (C) What is exception? Write the types of exception. How can it be handle with the help of try-catch statement.

Unit - V

5. (A) Explain multithreaded programming in java with suitable example.

   (B) Write a java program for reading and writing from console and files.

   (C) Write the steps for setting the JDBC connectivity with backend database.