**RAMANANDA COLLEGE**

 **B.Sc (Hons) SECOND SEMESTER EXAMINATION, 2021**

 **Subject: Computer Science Course Code: SH /CSC/ 201/C-3**

**Course Title: Programming in Java (Practical) Course ID: 21521**

 **Full Marks: 15 Time: 2Hrs**

  **(Viva = 5, Experiment =10)**

 Answer any one of the following questions 10

1. Write a JAVA program to find the sum of any number of integers entered as command line
 arguments.
2. Write a JAVA program to find the factorial of a given number.
 3. Write a JAVA program to learn use of single dimensional array by defining the array dynamically.
 4. Write a JAVA program to learn use of .lenth in case of a two dimensional array.
 5. Write a JAVA program to convert a decimal to binary number .
6. Write a JAVA program to check if a number is prime or not, by taking the number as input from the
 keyboard.
 7. Write a JAVA program to find the sum of any number of integers interactively, i.e., entering every
 number from the keyboard, whereas the total number of integers is given as a command line
 argument .
8. Write a JAVA program that show working of different functions of String and StringBufferclasss like
 setCharAt(), setLength(), append(), insert(), concat()and equals().
 9. Write a program to create a ―distanceǁ class with methods where distance is computed interms of
 feet and inches, how to create objects of a class and to see the use of this pointer.
 10. Modify the ―distanceǁ class by creating constructor for assigning values (feet and inches)to the
 distance object. Create another object and assign second object as reference variable to another
 object reference variable. Further create a third object which is a clone of the first object.