

2018**BCA 5th Semester Examination****JAVA LAB.****PAPER—3196 (Set-I)****(Practical)****Full Marks : 100****Time : 2 Hours**

The figures in the right-hand margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

Illustrate the answers wherever necessary.

Answer any *two* questions (on lottery basis).

1. Write a program in Java to find whether a given is ODD of EVEN.
2. Write a program in Java to find factorial of a given number.
3. Write a program in Java to obtain prime numbers within a given range.
4. Write a program in Java to print the below pattern (Floyds triangle).

1
2 3
4 5 6
7 8 9 10
5. Write a program in Java to check a string is palindrome or not.
6. Write a program in Java to implement single inheritance.
7. Write a program in Java to show the use of function overriding.
8. Write a program to sort list of elements in descending order.
9. Write a program in Java to demonstrate the use of Super keyword.

(Turn Over)

10. Write a program to implement wrapper class and its methods.
11. Write a program in Java to demonstrate multiple inheritances.
12. Write a Java program to implement to concept of importing classes from user defined package and creating packages.
13. Write a program using Applet to display a message in the Applet.
14. Write a program in Java for Matrix multiplication.
15. Write a Java to show the concept of constructor overloading.

[Internal Assessment— 30]
