BCA/VS/J LAB/3196/19(Pr.)
(Set-1)

BCA 5th Semester Examination, 2019

JAVA LAB

(Practical)

PAPER – 3196(Set-1)

Full Marks : 100

Time : 2 hours

The figures in the right-hand margin indicate marks

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

Illustrate the answers wherever necessary

SET – 1

Answer any **two** questions (on **lottery** basis) : 25×2

1. Write a program in Java to check whether a string is palindrome or not.

2. Write a program in Java to print half pyramid using*

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3. Write a program in Java to print the sum of digits of numbers.

4. Write a program in Java to implement single inheritance.

5. Write a program in Java demonstrates the concept of overriding.

6. Write a program in Java to multiply two matrices.

7. Write a program in Java to check whether a number is prime or not.

8. Write a program in Java to convert a decimal number to binary number.

9. Write a program using applet to add two numbers.

10. Write a program in Java to print multiplication table of a given number. Create user defined package to write the multiplication function and import this package to your main file.

11. Write a program in Java to show the use of function overloading.

12. Write a program in Java to determine whether a number is Armstrong or not.

13. Write a program in Java to show the use of final and finally keyword.

14. Write a program in Java to sort a set of given numbers using insertion sort.

15. Write a program in Java to find the sum of N input numbers.

PNB — 05

Viva-Voce — 15

[*Internal Assessment* : 30 Marks]

BCA/VS/JLAB/3196/19(Pr.)
(Set-2)

BCA 5th Semester Examination, 2019

JAVA LAB

(Practical)

PAPER – 3196(Set-2)

Full Marks : 100

Time : 2 hours

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Illustrate the answers wherever necessary

Answer any **two** questions (On **lottery** basis) : 25×2

[SET–2]

1. Write a program in Java to print the sum of digits of numbers.

2. Write a program in Java to implement single inheritance.

3. Write a program in Java demonstrates the concept of overriding.

4. Write a program in Java to convert binary number to its equivalent decimal number.

5. Write a program in Java to find the factorial of a given number.

6. Write a program in Java to implement multilevel inheritance.

7. Write a program in Java to print transpose of a matrix having size $m \times n$. $m, n > 2$.

8. Write a program in Java to show the use of constructor overloading.

9. Write a Java program to create an Account class. Define proper constructor(s) for this class. Define methods to calculate Simple interest on the amount deposited in the account. Make necessary assumptions, wherever required.

10. Write a program in Java to demonstrate the utility of multithreading.

11. Write a program in Java to demonstrate exception handling. Use predefined exception at some point.

12. Write a program in Java to search a given number from a set of numbers.

13. Write a program in Java to show the use of try, catch and finally.

14. Write a program in Java draw shapes such as triangle, square and rectangle. Use applet and fill some color in it.

15. Write a program in Java to implement multi-threading.

PNB	: 05
Viva-voce	: 15
Internal Assessment	: 30