2017

BCA 5th Semester Examination

JAVA LAB.

PAPER—3196 (Set-1)

(Practical)

Full Marks : 70

Time : 2 Hours

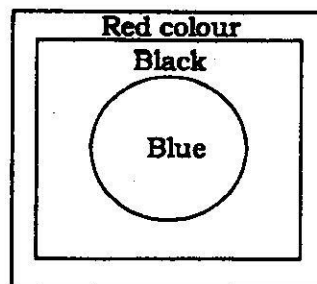*The figures in the right-hand margin indicate full marks.*

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).   2×25

1. Write a Java Program to convert an octal number to binary number.

2. Write a Java Program to sort 20 names of cities in alphabetical orders.

3. Write a Java program to read a number and print all its prime factors.

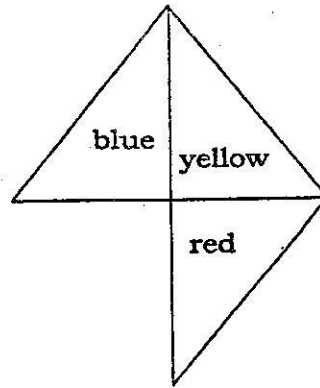4. Write a Java applet program to draw the following figures

5. Write a Java program to print first 100 prime non-Fibonacci numbers.

6. Write a Java program which will read a line of text of different case and outputs the text with changing its case.

   e.g. Inputted text : The Sky Is Blue.

   Output will be : tHE sKY iS bLUE.

7. Write a Java applet program to draw the following image—

8. Write a Java program to find the transpose of a $m \times n$ matrix.

9. Write a Java program to demonstrate multiple inheritance.

10. Write a Java applet to read two numbers from applet and show the largest number.

11. Write a Java program to print the following :

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        *
      *   *
        *   *
    *   *
      *   *   * ... and so on
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Viva — 05 Marks

PNB — 15 Marks