



NS – 625

**V Semester B.C.A. Degree Examination, November/December 2016**  
**(2013 – 14 & Onwards) (F+R)**  
**COMPUTER SCIENCE**  
**BCA – 504 : Java Programming**

Time : 3 Hours

Max. Marks : 70

**Instruction : Answer all the Sections.**

**SECTION – A**

Answer **any ten** questions.

**(10×1 = 10)**

1. What is JVM ?
2. What is symbolic constant ?
3. Show how comma operators are used in loops.
4. Write an example to initialize an object in Java.
5. What is the use of 'Super' key word ?
6. What is String Buffer ?
7. What is a package ?
8. Mention any two states of threads.
9. What are built-in Exceptions ?
10. What is Applet Programming in Java ?
11. What is a 'Canvas class' ?
12. What are streams ?

**SECTION – B**

Answer **any five** questions.

**(5×3=15)**

13. Explain how Java is different from C++.
14. What are the different types of operators used in Java ?
15. Write down the structure of a class and explain.

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16. Explain any two string constructors in detail.
17. Explain any three vector methods.
18. What are multiple catch statements ?
19. Explain how parameters are passed in applets.
20. What are Stop ( ) and Destroy ( ) methods ?

### SECTION – C

Answer **any five** questions.

(5×7=35)

21. Write a Java Program to count the number of vowels and consonants in a given string.
22. What is method overriding ? Write a program to demonstrate method overriding.
23. Explain the methods used in 'Wrapper classes'.
24. What is an Exception ? Write a program to Demonstrate Exception Handling.
25. Explain applet life cycle with a neat diagram.
26. Explain the HTML applet tag with all its attributes.
27. Explain any 5 classes of AWT packages.
28. Explain File Input Stream and File Output Stream classes.

### SECTION – D

Answer **any one** question.

(10×1=10)

29. Write a note on Java Architecture.
  30. Write a program to find factorial of list of number reading input as command line arguments.
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