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.

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.