V Semester B.C.A. Degree Examination, April/May 2023
(CBCS) (Freshers + Repeaters)
COMPUTER SCIENCE
BCA 504T : Java Programming

Time : 3 Hours

Max. Marks : 70

Instruction : Answer all Sections.

SECTION – A

I. Answer **any ten** questions. **Each** question carries **two** marks. **(10×2=20)**

1) List any two features of Java.

2) Why Java is platform independent ?

3) Differentiate between expression and statement.

4) What is the purpose of super keyword ?

5) What is a string ?

6) Define object with an example.

7) What is a package ? Give an example.

8) What is thread priority ?

9) Define exception.

10) Write any two advantages of an applet.

11) Compare paint () and repaint () method.

12) What is Stream ?

SECTION – B

II. Answer **any five** questions. **Each** question carries **ten** marks. **(5×10=50)**

13) a) What is an Identifier ? What are the rules for naming identifiers ?   5
    b) Explain any two types of operators with example.   5

14) a) Explain for loop with syntax and example.   5
    b) Define Inheritance. Explain any one type of Inheritance.   5

15) a) What is finalize( ) method ? Explain.   5
    b) What are Wrapper class ? Give an example.   5

16) a) Explain the concept of vector in java.   5
    b) Explain extending and implementing interface with an example.   5

17) a) Write a note on Java API Packages.   5
    b) Explain multithreading with example.   5

18) a) Explain user defined exception with example.   5
    b) Write a program to find factorial of list of numbers reading input as
       command line arguments.   5

19) a) Write an applet program to find sum of two integers using user input. 5
    b) Discuss Graphics class in Java.   5

20) a) Write a note on character stream classes.   5
    b) Explain drawing circles and ellipses with example.   5