Second Semester BCA Degree Examinations

May /June 2026

(SEP scheme)

SSB0220 : Java Programming

Time: 3 hrs.] *[Max.Marks:80*

Instruction to the Candidates :

1. *The student should legibly write Section number along with question numbers within the margin only.*
2. *The answers without Section number and question numbers will not be valued.*
3. *Do not write anything (except register number) on the question paper.*

SECTION – A

I. Answer all the questions. **(2X10=20)**

1.

a) List any four math methods in Java.

b) Write a simple program for if – else in Java.

c) What is Java Interface ? Explain with syntax.

d) Explain dynamic binding in Java.

e) Write the advantage of using generics in Java.

f) What is JavaBean ? Write any 2 function of it.

g) Define collection in Java. Mention the parts of Java collection.

h) What are events in Java ?

i) What is the use of GUI in Java ? Write any 2 difference between panel and Frame.

j) Define Swing in Java. Mention the classes used in Swing.

SECTION – B

II. Answer any SIX of the following questions. **(5X6=30)**

2. Define Array. Explain types of Array with example.
3. Explain types of visibility modifiers in Java with example.
4. What is polymorphism ? Explain runtime polymorphism with example.
5. Briefly explain implementing interface in Java with example.

Contd...2

6. What is multithreading ? Explain life cycle of thread with its methods.
7. Explain exception handling in Java.
8. Define layout manager in Java. Explain any 2 types off layout manager with example.
9. List the methods in KeyListener interface. Write a Java program for key event.

SECTION – C

III. **Answer any THREE off the following questions.** (10X3=30)

10. a) With a simple Java program, explain the types of variables used in Java.
    b) Discuss Java constructors and Finalizer. (5+5)
11. a) Explain the concept of instanceof operator and Abstract class with its syntax.
    b) Write a Java program to create and Import a class and subclass from other package. (5+5)
12. a) Explain Thread synchronization with its method. Give example.
    b) What is the use of finally block in Java ? Explain try –catch – finally block with an example. (5+5)
13. a) Define Applet in Java. Mention any 2 advantages and explain life cycle of Applet.
    b) Explain checkbox and Menu components with example. (5+5)

** * * * **