

A-0794

Total Pages : 3

Roll No.

BCA-13

Bachelor of Computer Application (BCA)

(Programming in Java)

Examination, June 2025

Time : 2:00 Hrs.

Max. Marks : 70

Note :- This paper is of Seventy (70) marks divided into Two (02) Sections 'A' and 'B'. Attempt the questions contained in these sections according to the detailed instructions given therein. *Candidates should limit their answers to the questions on the given answer sheet. No additional (B) answer sheet will be issued.*

Section-A

(Long Answer Type Questions) 2×19=38

Note :- Section 'A' contains Five (05) Long-answer type questions of Nineteen (19) marks each. Learners are required to answer any two (02) questions only.

- Q. 1. Explain the concept of class and object in Java.
Explain the components of Java Classes ?
- Q. 2. Explain File Handling in Java. How to deal with reading and writing to a file ?
- Q. 3. What do you understand by Recursion in Java. Create a program of factorial based on recursion
- Q. 4. Explain the concept of packages in Java. Create a package and define class and function in it.
- Q. 5. Define the features of OOPS ? Explain the advantages and disadvantages of OOPS ?

Section–B

(Short Answer Type Questions) 4×8=32

Note :– Section ‘B’ contains Eight (08) Short-answer type questions of Eight (08) marks each. Learners are required to answer any *four* (04) questions only.

- Q. 1. What is the concept of constructor in Java ? Explain.
- Q. 2. Explain the concept of life cycle of Applet.
- Q. 3. What is method overloading in Java ?

- Q. 4. Write a program to insert an element in array.
- Q. 5. What are conditional statement in Java ?
- Q. 6. What is inheritance in Java ?
- Q. 7. Define package in Java.
- Q. 8. What do you understand by interface in Java ?
