

P-841

Total Pages : 3

Roll No.

BCA-13

Programming in JAVA

Bachelor of Computer Science (BCA)

4th Semester Examination, 2023 (June)

Time : 2 Hours]

[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 answer to the questions on the given answer sheet. No additional (B) answer sheet will be issued.

SECTION-A

(Long Answer Type Questions)

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.

(2×19=38)

1. What is object oriented programming? Explain the features of object oriented programming.

2. What is the constructor in Java? How will you execute the base class constructor from derived class?
3. Differentiate between throws and throw, in relation with Exception handling and also write programs to demonstrate them.
4. Given are two one-Dimensional arrays A and B which are sorted in ascending order. Write a program in Java to merge them into a single sorted array C that contains every item from arrays A and B, in ascending order.
5. What is an interface? How many classes can an interface implement?

SECTION-B

(Short Answer Type Questions)

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. (4×8=32)

1. Why main method in Java always static? Explain.
2. What is super in Java? Explain different use of super in Java with the help of Java program?

3. What is the difference between final, finally, finalize? Explain by giving an example.
 4. What are the classes in Java available for file handling? Explain.
 5. What is the Branching? Write program to showing branching statements.
 6. What is package in JAVA?
 7. How will you perform reading and writing files? Explain.
 8. What is switch statement? Explain with help of example.
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