

BCA-16
December – Examination 2021
BCA (Part III) Examination
Programming in Java
Paper : BCA-16

Time : 1½ Hours]

[Maximum Marks : 70

Note :- The question paper is divided into two Sections A and B. Write answers as per the given instructions.

Section-A

4×3½=14

(Very Short Answer Type Questions)

Note :- Answer any *four* questions. As per the nature of the question delimit your answer in one word, one sentence or maximum up to **30** words. Each question carries 3½ marks.

1. (i) Why is pointer not used in Java ? Explain.
- (ii) Explain the difference between public and protected access specifiers. Give an example.
- (iii) Give any *four* differences between Java and C++.
- (iv) What does the Wrapper class do in Java ? Give an example.
- (v) What is Applet ?
- (vi) What is an abstract class in Java ? Give an example.
- (vii) Give any *two* advantages of using inheritance in Java.
- (viii) What is the use of JRE ? Give an example.

Section-B **4×14=56**

(Short Answer Type Questions)

Note :- Answer any *four* questions. Each answer should not exceed **200** words. Each question carries 14 marks.

2. What do you mean by multithreading ? Explain and give the life-cycle of a thread.
3. Explain the various decision-making statements used in Java with suitable examples.
4. Explain the various features of the Java programming language in detail.
5. What is the Constructor ? Explain with suitable examples.
6. Explain the concept of Class and Object in Java Programming with example.
7. Compare garbage collection and finalize method. How is it guaranteed that the finalize method is called ?
8. How can we use the Packages in Java ? Explain using suitable examples.
9. What is exception handling ? How are exceptions handled in Java ? Explain briefly with an example.