

Roll No.

BCA-402(O)

B. C. A. (Fourth Semester) EXAMINATION, 2015

(Old Course)

Paper Second

INTRODUCTION TO JAVA PROGRAMMING

Time : Three Hours] [Maximum Marks : 75

Note : Attempt all questions from Section A, seven questions from Section B and one question from Section C.

Section—A 9 each

1. What is Object Oriented programming ? Differentiate between C and Java.
2. How is Java strongly associated with the internet ?

Section—B 6 each

Note : Attempt any seven questions.

3. Explain OSI reference model.
4. What are command line arguments ? How are they useful.
5. Write a program in Java to check the given number is pailndrome or not ?
6. Differentiate between Final, Finally and Finalizer ?

[2]

7. What is an applet ? Explain local applet and remote applet.
8. What is an exception ? How do we define try and catch block ?
9. What is multithreading ? Explain life cycle of thread.
10. Explain the features of Java programming language.
11. What is a package ? How do you design a package in Java ?

Section—C

15 each

Note : Attempt any *one* question.

12. What is an event ? Explain source and listener ?

13. Write short notes on the following :

- (a) Java virtual machine (JVM)
- (b) Run-time polymorphism
- (c) Interfaces in Java
- (d) Abstract class
- (e) Applet life cycle