



UTTARAKHAND OPEN UNIVERSITY, HALDWANI (NAINITAL)
उत्तराखण्ड मुक्त विश्वविद्यालय, हल्द्वानी (नैनीताल)

BCA 2nd YEAR 4th SEMESTER ASSIGNMENT

Last Date of Submission: 31 May 2016

Course Title: Programming in Java

Course Code: BCA-13

Year: 2015-16

Maximum Marks: 40 Marks

Section 'A' contains 08 short answer type questions of 5 marks each. Learners are required to answers 4 questions only. Answers of short answer-type questions must be restricted to 250 words approximately.

1. What are the basic features of java?
2. What is Java virtual machine? State its purpose.
3. Write the significance of packages.
4. Why java is called machine independent language? Explain.
5. What is Primitive and None-Primitive data types in JAVA?
6. What is constructor? How do we invoke a constructor? What are its special properties?
7. What is a vector? How is it different from an array?
8. What is the difference between an interface and a class?

Section 'B' contains 04 long answer-type questions of 10 marks each. Learners are required to answers 02 questions only.

1. Explain in detail about Java operators and expressions with examples.
2. What are the different types of loop in the Java programming language? Briefly explain with their syntax.
3. What are the characteristics of JDBC? What are the various steps for using JDBC? Write a program to demonstrate these steps.
4. Explain the Exception handling mechanisms in detail.