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

BCA-16/BCA-17 2ⁿᵈ YEAR 4ᵗʰ SEMESTER ASSIGNMENT

Session -   *2017-18, Summer Last Date of Submission: 31st October 2017*
Session -   *2017-18, Winter Last Date of Submission: 30th April 2018*

Course Title: Programming in Java   **Course Code:** BCA-13

Maximum Marks: 30/20

Section 'A' contains 08 short answer type questions of 4/2.5 marks each. Learners are required to answers 4 questions only. Answers of short answer-type questions must be restricted to 250 words approximately.

1. List some of the common types of exceptions that might occur in Java. Give examples.
2. What are the two different types of streams? What are the advantages of character streams?
3. What are the advantages and disadvantages of APPLET?
4. What are the components of Event Handler?
5. What are the two different types of event used in Java AWT?
6. What is a Java applet? What is its function?
7. Describe any three basic features of Java programming language.
8. Write a Java program to print the following output using for loop:

```
1
2 2
3 3 3
4 4 4 4
5 5 5 5 5
```

Section 'B' contains 04 long answer-type questions of 7/5 marks each. Learners are required to answers 02 questions only.

1. What are the different types of JDBC driver? Briefly discuss each of them.

2. What do you mean by looping? What are the different types of loop in the Java programming language? Briefly explain with their syntax.

3. What is inheritance? Explain the types of inheritance with an example.

4. What is recursive method? Explain with an example.