



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

MCA-16/MCA-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: MCA-16

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. What is Java applet?
2. What are the similarities between interface and classes?
3. How array is declared and initialized in Java? Give an example
4. What do you understand by Swing and AWT? Explain their differences.
5. What is an exception? Give an example.
6. What is an event? What do you mean by event handling?
7. What are the steps involved in establishing a JDBC connection?
8. How does a String class differ from a String Buffer class?

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

1. Explain the features of Java programming language.
2. Explain the various I/O Streams.
3. What is recursive method? Explain with example.
4. What is inheritance? Explain single inheritance with an appropriate program.