



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

MCA 3RD YEAR 5TH SEMESTER ASSIGNMENT

Last Date of Submission: 15/01/2016

Course Title: Software Engineering

Course Code: MCA-17

Year: 2015-16

Maximum Marks: 40

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

1. What is Software Engineering?
2. What is the importance of Software Quality Assurance?
3. What is black-box testing?
4. State differences between alpha & beta testing.
5. Differentiate between software Verification & software validation.
6. What is software Crisis? Discuss.
7. What is software? Explain the characteristics of software.
8. What are the desirable characteristics of a good SRS?

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

1. Explain the types of system testing.
2. Explain the following
 - a. Waterfall Model
 - b. COCOMO Model
3. Explain in detail about the software requirements specification.
4. What is SDLC? Explain in detail.