



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

MCA-16/MCA-17 3RD YEAR 5TH 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: Software Engineering

Course Code: MCA-17

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 do you mean by software crisis?
2. What is waterfall model? Draw the diagram for waterfall model.
3. What do you mean by evolutionary approach? Discuss with example.
4. List the major responsibilities of a project manager.
5. What do you mean by Software maintenance?
6. Write short note on Reverse-engineering.
7. What is the prime objective of spiral model?
8. What is LOC?

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

1. Explain COCOMO model?
2. What is a prototype? Briefly discuss the prototyping model with a suitable diagram. What are the major advantages of first constructing a working prototype before developing the actual product?
3. What are the main activities carried out during requirement analysis and specification phase? What is the structure of a SRS?
4. When do we perform the unit level testing? Briefly discuss alpha and beta testing with advantages