



UTTARAKHAND OPEN UNIVERSITY, HALDWANI (NAINITAL)

MCA-II 3rd YEAR 5th SEMESTER ASSIGNMENT*Last Date of Submission: 15 Jan., 2014***Course Title: Software Engineering****Course Code: MCA-17****Year: 2013-14 Summer****Maximum Marks: 40**

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 is software engineering? Specify the attributes of good software.
2. What are the goals of testing?
3. What is a DFD? Discuss various components of a DFD.
4. What is Software Requirement Specification (SRS)? What are the characteristics of a good SRS document?
5. Define cohesion and coupling as applied to software design.
6. What is White-Box Testing? What is its purpose?
7. What are the different types of software?
8. What is data dictionary. What is its role in the context of a DFD.

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

1. Explain in detail COCOMO model used for software cost estimation
2. Differentiate between Software Verification & Software Validation.
3. Explain the Waterfall Model. State four problems associated with it.
4. Identify and explain three important parts of an SRS document.