

SVKM's NMIM'S
MUKESH PATEL SCHOOL OF TECHNOLOGY MANAGEMENT & ENGINEERING

Programme: B. Tech (COMP)
Batch: 2014-15

Year: III

Semester: V

Academic Year: 2014-2015

Subject: **Software Engineering**

Date: 11/06/2015

Marks: 60
Time: 10.00 am to 1.00 pm
Duration: 3 (hrs)



Re-Examination

Instructions: Candidates should read carefully the instructions printed on the question paper and on the cover of the Answer Book, which is provided for their use.

NB:

1. Question 1 is **compulsory**.
2. Out of remaining questions, attempt **any Four** question.
3. **In all Five** questions to be attempted.
4. Answer to each question to be started on a fresh page.
5. Figures in brackets on the right hand side indicate full marks.

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|----------|---|-----|
| Q1. (a) | Explain W5HH Principle, with its applicability. | 3 |
| (b) | What are software Characteristics? Explain in brief. | 3 |
| (c) | What is evolutionary software development? List out the Evolutionary process models. Explain any one in detail. | 6 |
| Q.2 (a) | Explain CMM with its significance in the organization in detail | 6 |
| (b) | What is Agile process? Explain any one agile model in detail. | 6 |
| Q. 3 (a) | Explain DFD with an example (State the example clearly) | 6 |
| (b) | "High Coupling and Low Cohesion" is ideal condition for the software design TRUE or FALSE?. Justify with example. | 6 |
| Q. 4 (a) | What are elements of analysis model? Explain the mapping of analysis model elements to design model. | 6 |
| (b) | Explain the golden rules for designing the user interface. | 6 |
| Q.5 (a) | Discuss Testing Strategies and Testing Techniques. | 6 |
| (b) | Explain "Software Quality" and discuss SQA activities in detail. | 6 |
| Q. 6 (a) | Explain the COCOMO-II estimation model. | 6 |
| (b) | Explain McCall's Software quality factors in detail | 6 |
| Q. 7 | Write note on the following (any TWO) | 6X2 |
| a) | SCM | |
| b) | Architecture Styles | |
| c) | Function Point Estimation with an example. | |

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