

SVKM's NMIMS
MUKESH PATEL SCHOOL OF TECHNOLOGY MANAGEMENT & ENGINEERING

Programme: B. Tech (IT) ✓ Year: III ✓ Semester: V ✓

Academic Year: 2018-2019 ✓

Subject: Software Engineering ✓

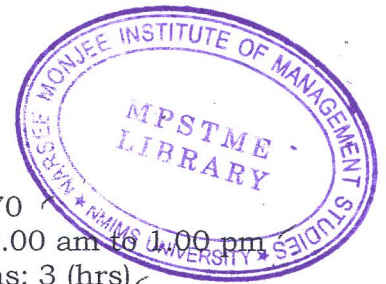
Date: 15 November 2018 ✓

Marks: 70 ✓

Time: 10.00 am to 1.00 pm ✓

Durations: 3 (hrs) ✓

No. of Pages : 1



Final 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.

- 1) Question No. 1 is compulsory.
- 2) Out of remaining questions, attempt any 4 questions.
- 3) **In all 5 questions to be attempted.**
- 4) All questions carry equal marks.
- 5) **Answer to each new question to be started on a fresh page.**
- 6) **Figures in brackets on the right-hand side indicate full marks.**
- 7) **Assume suitable data if necessary.**

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|-----------|---|---|---|
| Q1 | A | Explain the need to use a Software Engineering approach in the development of a software. | 7 |
| | B | Accomplish Class modeling for a University Management database system. | 7 |
| Q2 | A | Explain briefly the different type of architectural styles. | 7 |
| | B | Bring out the advantages of Agile modelling over that of Prescriptive models. | 7 |
| Q3 | A | Discuss Basis path testing with an example. | 7 |
| | B | Draw a Use case diagram for a Course management system. | 7 |
| Q4 | A | What are the various maturity levels of CMM? Explain. | 7 |
| | B | What is Flow Oriented Modeling? Explain its importance with an example. | 7 |
| Q5 | A | Briefly explain the importance of conducting User Interface Analysis. | 7 |
| | B | What is the need of Testing in the development of a quality software? | 7 |
| Q6 | A | Which are the tasks involved in requirement engineering? | 7 |
| | B | What is the difference between top down & bottom up integration? | 7 |
| Q7 | | Write short notes on any TWO (2) of the following: | |
| | A | Design Concepts | 7 |
| | B | McCall's software quality factors | 7 |
| | C | Management myths in software development | 7 |