

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

Programme: MBA.Tech (COMPUTER) ✓ Year: II ✓ Semester: IV ✓

Academic Year: 2018-2019 ✓

Subject: Software Engineering ✓

Date: 16 April 2019 ✓

Marks: 70 ✓

Time: 2.00 pm to 5.00 pm ✓

Durations: 3 (hrs)

No. of Pages: 01



Final Examination (2018-19) / Re-Examination (2017-18) ✓

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.**

- Q.1. a) Explain Testing strategies for conventional software. [7]
b) Explain Metrics for Software Quality in brief [7]
- Q.2. a) Explain software architectural styles. [7]
b) Differentiate between Coupling and Cohesion. [7]
- Q.3. a) What is an Agile process? Discuss the various agility principles. [7]
b) Explain the Requirement Engineering tasks in detail. [7]
- Q.4. a) Draw a DFD level 0 and level 1 for airline ticket booking system. [7]
b) Explain Extreme Programming (XP) and Applications of XP. [7]
- Q.5. a) Write a short note on SQA. [7]
b) Explain Validation and verification. [4]
c) Explain white-box testing in brief. [3]
- Q.6. a) Explain Adaptive Software Development in detail. [7]
b) Explain the interface design steps and the golden rules. [7]
- Q.7. a) Short note on SCM. [7]
b) What is Waterfall and Spiral model? Difference between Waterfall model and Spiral model [7]