

National Institute of Technology

Kurukshetra-136119

Mid Sem I

Subject: Software Engineering

Code: ITPC27

MM:15

Duration: 50 min

*Instruction: Paper contains 2 sections. Both sections are compulsory. Section 1 contains MCQs and short answer type question **1 marks each**. Section 2 is subjective containing Questions of **3 marks each**. Q3 in Section 2 contains a choice.*

SECTION 1

Marks

- | | |
|--|---|
| 1. What must be the characteristics of SRS document? | 1 |
| 2. Which one is not a functional requirement? | 1 |
| (a) Efficiency (b) Reliability (c) Product features (d) Stability | |
| 3. SRS document is for | 1 |
| (a) "What" of a system? (b) How to design the system? | |
| (c) Costing and scheduling of a system (d) System's requirement. | |
| 4. Unified Process Model contains phases: | 1 |
| (a) Inception, Elaboration, Construction, Transition | |
| (b) Elaboration, Inception, Construction, Transition | |
| (c) Inception, Elaboration, Transition, Construction | |
| (d) Inception, Transition, Elaboration, Construction | |
| 5. Most suitable model for new technology that is not well understood is: | 1 |
| (a) Waterfall model (b) RAD model | |
| (c) Iterative enhancement model (d) Evolutionary development model | |
| 6. RAD Model is best suited for the scenario _____ | 1 |

SECTION 2

- Q1.** What do you understand by the term Software Development Life Cycle (SDLC)?
Why is it important to adhere to a life cycle model while developing a large software product? 3
- Q2.** Compare iterative enhancement model and evolutionary process model. 3

Q3. Explain the spiral model of software development. What are the limitations of such a model? 3

OR

Describe the rapid application development (RAD) model. Discuss each of the phase in detail. 3