

N.B. : (1) Question No. 1 is **compulsory**.

(2) Answer any **four** questions from remaining **six** questions.

1. (a) Define process, project, product. State their relationship and mention the metrics associated with each of them. 10
- (b) "Requirements have lot of ambiguity" — choose a proper process model and state the concern in design. 10
2. (a) "The problem is keeping track of inventory". Give solution to this problem. Suggest alternative design. Evaluate each of the design. Find the feasible one. 10
- (b) "It is seen that the cost and schedule will overrun". — Suggest RMMM plan for this. 10
3. (a) What are the different models to find project size and cost? When will you choose each one? 10
- (b) Enumerate the qualities of Good SRS document. 10
4. (a) Why do requirements change? What are software configuration objects? How would you identify them and assemble them for different versions? 10
- (b) What are Umbrella activities? Explain Software Quality Assurance. 10
5. (a) How are projects scheduled? Define task set and milestones? Assign responsibility and duration and find the total time estimate of the project. 10
- (b) What are the advantages of evolutionary process model? State the type of project that is evolved each time. 10
6. (a) Do you need both white box and black box testing? What are the errors uncovered in each of them? 10
- (b) Explain the activities done during implementation. 10
7. Write short notes on any **two** :— 20
 - (a) CMM Levels
 - (b) Formal Technical Review
 - (c) Software Reliability.