1. (a) Enlist and explain the steps require to perform cost estimation using COCOMO model ?   **10**

   (b) Give a Software Requirement Specification (SRS) for developing a software for Payroll Management System.   **10**

2. (a) Explain Software Configuration Management and Change Control Management in detail.   **10**

   (b) Explain CMM along with the level and activities with each level.   **10**

3. (a) Explain how Gantt-chart can be used for planning and controlling small projects with example ? What are the limitations of Gantt-chart ?   **10**

   (b) Explain risk identification, risk projection, RMMM plan in detail.   **10**

4. (a) What do you understand by Quality Assurance ? Explain the levels of Quality Assurance.   **10**

   (b) Explain Basic path testing and Cyclomatic complexity in detail.   **10**

5. (a) Compare conventional approach and object oriented approach to software development ? What are the advantages of OOAD ?   **10**

   (b) What is feasible study ? Explain its types, contents and purpose.   **10**

6. (a) Explain how project scheduling and tracking is done for a software development project ?   **10**

   (b) Describe data flow and control flow diagram with suitable example.   **10**

7. Distinguish between :—   **20**
    (a) White Box and Black Box Testing
    (b) Coupling and Cohesion
    (c) RAD and Spiral Model
    (d) FP Based and LCC Based Cost Estimation.

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