



Note: Question No. 1 is Compulsory
Attempt any 3 Questions from the Remaining Questions.

- Q.1 20
- What is the difference between Prescriptive & Evolutionary model ?
 - What are the different probable Origins of Changes that are requested for software?
 - List & Elaborate Software Engineering Practice core principles.
 - Explain following design Concepts: Abstraction & Modularity.
- Q.2
- Explain different metrics for size estimation with their advantages and disadvantages. 10
 - Explain Agile methodology with XP Agile Development Process. 10
- Q.3
- What is the importance of Requirement Analysis? Explain different Requirement Engineering tasks. 10
 - Draw Control Flow Graph and find Cyclomatic Complexity for the following PDL : 10
 if (c1 or c2 and c3) s1;
 else s2;
 while (c4) s3; s4;
 do s5; while (c5);
 s6
- Q.4
- Explain how Change Control & Version Control are carried out in Software Configuration Management. 10
 - What is Evolutionary model? List Evolutionary models. Explain any one in detail. 10
- Q.5.
- What are the Risks associated with software Projects? How do Project Managers manage such Risks? 10
 - Explain the relationship among scope, schedule and budget. 5
 - Explain Object oriented Testing. 5
- Q.6.
- What is CMMI? How it is different from CMM. Explain all levels of CMMI. 10
 - Draw DFD upto Level 2 for Restaurant Management System which has Food Ordering , Food Delivering , Invoice Creation and Payments subsystem 10
