

(3 Hours)

[Total Marks : 100]

N.B. : (1) Question No. 1 is compulsory.(2) Attempt any **four** questions out of remaining **six** questions.(3) **All** questions carry **equal** weightage.(4) **Figures** indicate **right** marks.(5) Assume **data** wherever **necessary**.

1. (a) Discuss incremental process model and evolutionary process model with reference to the suitability of the project. 10
- (b) Explain how size oriented metrics differs from function oriented metrics. Give example when each are recommended. 10
2. (a) Give software requirement specification (SRS) for developing a software for payroll management system. 10
- (b) Workout data flow diagram and control flow diagram in detail respect to payroll management system. 10
3. (a) Explain the various levels of quality assurance in software Engineering with reference to different parameters of quality. 10
- (b) What is configuration audit? 10
How change in managed in web applications?
4. (a) Discuss and compare TDD (Test driven development) and DDT (design driven testing). 10
- (b) What activities are carried out during FTR and status reporting and why? 10
- (a) List down and explain the activities carried out during scheduling and tracking. 10
- (b) Discuss the cases where change control and version control are required with its purposes. 10
6. (a) Compare the conventional approach and object oriented approach to software development with suitability. 10
- (b) What is requirement of risk analysis. What are the possible risks that may affect the scheduling? How you can overcome the same? 10
7. Write short note on:— 20
 - (a) SCRUM and CRYSTAL
 - (b) Design concepts and principles
 - (c) Coupling and cohesion
 - (d) Gantt chart