

SOFTWARE PROJECT MANAGEMENT  
(CT-501)

- Instructions: 1. Attempt all questions  
2. Explain giving examples where necessary

Q1. Attempt any two (10)

- Differentiate between Software Project and Software Process. Why Software Process is important?
- Define Project and Project Management. How Software Project management is different from other disciplines' Project Management
- Describe Project life cycle. Explain relationship among Business, Product and Project life cycles.

Q2. Attempt any three (15)

- Briefly define Project Stakeholders OR Just define 9 PMI's knowledge areas.
- Explain the tradeoff triangle.
- Describe briefly Process dimension of Project Management.
- Explain Business OR Technology Scope Creep in detail.
- Explain briefly Scope.

Q3. From each section attempt one (15)

- People related mistakes
  - Weak Personnel
  - Heroics
  - Wishful thinking
- Process related mistakes
  - Insufficient Risk Management
  - Shortchanged Upstream Activities
  - Planning to catch up later
- Product related mistakes
  - Requirements Gold Plating
  - Features Creep
  - Push me pull me negotiation

Q4. Attempt any three

(15)

- a) Explain the differences between Process and Project Metrics.
- b) Compare with examples Size Oriented and Function Oriented metrics.
- c) Briefly describe metrics guidelines.
- d) Why do we measure? Define guidelines for estimations.
- e) Explain briefly major issues which have to be considered while taking decision of make or buy.

Q5. Attempt any three

(15)

- a) Just write down Testing Principles and draw the testing stages diagram.
- b) Explain static testing. Differentiate it with Dynamic testing
- c) Explain the acceptance testing and its categories
- d) Explain features of testability of a program
- e) Explain regression testing.
- f) Differentiate between white box and Black box testing approaches