

IV B.Tech I Semester(R05) Regular&Supplementary Examinations, December 2009  
SOFTWARE PROJECT MANAGEMENT  
(Common to Computer Science & Engineering and Information Technology)  
Time: 3 hours Max Marks: 80  
Answer any FIVE Questions  
All Questions carry equal marks

**KOTTAM**  
INSTITUTIONS

1. Describe the basic parameters that can be used for the abstraction of the software cost models? [16]
2. Describe the various dimensions of scheduling? How dimensions are helpful in improving software economics? [16]
3. Describe the two stages of the life cycle to active economies of scale and higher returns on investment.[16]
4. Object oriented modeling is the key in SDLC relate the nine diagrams to the views of iteration process. [16]
5. (a) Give an outline of step wise planning activities.  
(b) What are the activities covered by software project management. [8+8]
6. (a) Describe what might happen to a software project if the requirements phase did not apply sound engineering principles and practices and the remaining phases did effectively apply them.  
(b) What are the following standards promote:
  - i. Highest organizational level
  - ii. Intermediate line-of-business level
  - iii. Lowest project level. [6+10]
7. (a) What are the central management issues of complex software? Explain.  
(b) Write the default pattern of life-cycle metrics evolution. [8+8]
8. (a) Discuss about culture shifts.  
(b) Explain the incremental test process. [8+8]

Code No: R5410504

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1. State the symptoms exhibited by the projects destined for trouble frequency? [16]
2. Summarize the characteristics of a successful object oriented project? [16]
3. Provide a default outline for a vision document. [16]
4. State the role and responsibility of CCB through the sequence of states traversed by a SCO. [16]
5. (a) What are three types of joint management reviews? Explain.  
(b) Discuss about the cost and schedule estimating process. [8+8]
6. Explain in detail about the configuration management process. [16]
7. Briefly discuss about the project control and process instrumentation. [16]
8. (a) Discuss about team work among stakeholders.  
(b) Explain CSCI. [8+8]

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1. Discuss in detail the three important analyses done on the state of the software engineering industry? [16]
2. Discuss the key practices that improve the overall software quality? [16]
3. Describe the two stages of the life cycle to active economies of scale and higher returns on investment.[16]
4. Illustrate the relative activity levels across the life cycle phases. [16]
5. (a) What are two perspectives of project plans? Write the planning sequence of each.  
(b) Discuss about initial operational capability milestone and product release milestone. [8+8]
6. (a) What are the four component teams in a default project organization and their responsibility?  
(b) How does the emphasis in the four teams evolve over the course of the entire project? [8+8]
7. Explain the following:
  - (a) Work and progress
  - (b) Staffing and team dynamics
  - (c) Breakage and modularity
  - (d) Rework and adaptability. [4+4+4+4]
8. (a) Discuss about the progress profile of a modern project.  
(b) Explain risk management of CCPDS-R. [8+8]

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1. What will be the impact of the Late risk resolution? What are the rectification methods? [16]
2. Describe the various dimensions of scheduling? How dimensions are helpful in improving software economics? [16]
3. Describe the transition in the phases of the life cycle process? [16]
4. What is architectural frame work / explain? [16]
5. (a) What are typical minor milestones in the life-cycle of iteration? Explain periodic status assessments.  
(b) Explain planning guidelines. [8+8]
6. (a) Discuss team management in detail.  
(b) Define micro process. Discuss about tools. [8+8]
7. (a) What is an indirect measure? Why such measures are common in software metrics work?  
(b) Present an argument against lines of code as measure for software productivity. Will your case hold up when dozens or hundreds of projects are considered? [8+8]
8. (a) Explain modern software economics.  
(b) Explain CCPDS-R software artifacts. [8+8]