

Code No: N0525/R07

**Set No. 1**

**IV B.Tech I Semester Supplementary Examinations, Feb/Mar 2011**  
**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**

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1. Discuss the improvements that can be applied to the software cost model? [16]
2. Describe the various dimensions of scheduling? How dimensions are helpful in improving software economics? [16]
3. Provide the software development plan (SDP) outline? [16]
4. Describe the cultural issues raised in allowing online review of the native information source by using smart browsing and navigation tools. [16]
5. (a) Define WBS. Describe conventional WBS issues.  
(b) What are default agendas for the life-cycle architecture milestone? Explain. [16]
6. Explain the following:  
(a) Software architecture team  
(b) Software development team. [8+8]
7. Team A found 342 errors during the software engineering process prior to release. Team B found 184 errors. What additional measures would have to be made for projects A and B to determine which of the teams eliminated more efficiently? What metrics would you propose to help in making the determination? What historical data might be useful? [16]
8. (a) Explain continuous integration.  
(b) Give the context of CCPDS-R. [8+8]

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**Set No. 2**

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1. Describe the industrial software metrics which provide an objective characterization of the state of the software development? [16]
2. Summarize the characteristics of a successful object oriented project? [16]
3. Describe the objectives of periodic status assessments? [16]
4. What is the impact of the assessment and deployment workflows on Life cycle phases? [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. Explain the life cycle focus on:  
(a) Software management team  
(b) Software architecture team  
(c) Software development team  
(d) Software assessment team. [4+4+4+4]
7. (a) What three tasks do you need to do well to ensure effective measurements?  
(b) What four steps should you take select measurement?  
(c) Discuss about budgeted cost and expenditures. [6+6+4]
8. Discuss about demonstration-based assessment of CCPDS-R. [16]

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**Set No. 3**

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**Max Marks: 80**

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1. What is adversarial stakeholder relationship? Explain. [16]
2. How GUI based technology is helping in environment issues, explain with a suitable example? [16]
3. Describe the two stages of the life cycle to active economies of scale and higher returns on investment. [16]
4. State the heuristics that describe objectively an architecture baseline. [16]
5. (a) What are the first-level, second-level and third level WBS elements?  
(b) What are the drawbacks of conventional WBS?  
(c) Distinguish iteration readiness review and iteration assessment review. [6+4+6]
6. What is CMM? Give an overview of CMM. [16]
7. (a) What are the four steps to specifying project-specific measurements?  
(b) What are the guidelines to planning project measurement? [8+8]
8. (a) Write about results of major milestones in a modern process.  
(b) Explain IPDR demonstration results. [8+8]

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**Set No. 4**

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**Max Marks: 80**

**Answer any FIVE Questions**  
**All Questions carry equal marks**

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1. Give an overview of how a Return Of Investment (ROI) profile can be achieved? [16]
2. Discuss the key practices that improve the overall software quality? [16]
3. Describe the various concerns of different stakeholders? [16]
4. State the role and responsibility of CCB through the sequence of states traversed by a SCO. [16]
5. (a) Briefly explain the purpose of each of the sections in a software project plan.  
(b) What is the critical distinction between a milestone and deliverability?  
(c) Write about pragmatic planning. [8+4+4]
6. (a) What are the main features of the default organization of line-of-business organizations?  
(b) Discuss about change management in detail. [6+10]
7. (a) Define change traffic, stability, breakage, modularity, rework and adaptability.  
(b) Explain stakeholder cohesion. [12+4]
8. Discuss about the core metrics of CCPDS-R. [16]

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