

Code No: N0525/R07

**Set No. 1**

**IV B.Tech I Semester Regular Examinations, November 2012**  
**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. What is adversarial stakeholder relationship? Explain. [16]
2. State the chronology of events in performance assessment? [16]
3. Describe the various concerns of different stakeholders? [16]
4. What are the different activity levels across the lifecycle phase explain. [16]
5. (a) Develop “context-free-questions” that you might ask a stakeholder during inception. [16]  
(b) Write default agendas for the life-cycle architecture milestone. [8+8]
6. (a) What are the typical components of the organizational infrastructure? [16]  
(b) What are project environment artifacts? Explain. [16]  
(c) What are the four important environment disciplines? [6+6+4]
7. (a) What are the advantages of measurement? [16]  
(b) Discuss about process discriminants. [6+10]
8. Discuss about Ada COCOMO. [16]

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**Max Marks: 80**

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1. Describe the basic parameters that can be used for the abstraction of the software cost models? [16]
2. Explain in detail the five basic parameters of the software cost model? [16]
3. Describe the various concerns of different stakeholders? [16]
4. Summarize the importance of software architecture and its close linkage with modern software development 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. Write default project organization and responsibilities. Explain. [16]
7. (a) Write the process discriminators that reuse from differences in architectural risk.  
(b) Give an example of SPCP and explain. [8+8]
8. Discuss about next-generation cost models. [16]

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**Set No. 3**

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**Max Marks: 80**

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1. Describe the various objectives used for the measurement of software size? [16]
2. Describe the various dimensions of scheduling? How dimensions are helpful in improving software economics? [16]
3. Validate the separation of the implementation set from the deployment set with an example? [16]
4. Compare and contrast a model and a view with appropriate example. [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) On a large project it is often be the responsibility of a team leader to allocate tasks to individuals. Why might it be unsatisfactory to leave such allocations entirely to the discretion of the team leader?  
(b) Discuss about processes and project management. [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) Discuss about the progress profile of a modern project.  
(b) Explain risk management of CCPDS-R. [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. What is the impact of the Documentation and review meetings? [16]
2. Discuss the general quality improvements with a modern process? [16]
3. Describe the two stages of the life cycle to active economies of scale and higher returns on investment. [16]
4. Explain in detail the four phases (Inception, Elaboration, construction and transition). [16]
5. (a) Define stakeholder. Who are stakeholders? Explain.  
(b) Discuss about periodic status assessments. [8+8]
6. Explain in detail about the configuration management process. [16]
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) What is the purpose of the concept definition and full scale development in the project CCPDS-R.  
(b) How was the project organization in CCPDS-R project? [8+8]

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