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Total number of printed pages – 2

B. Tech  
PCIT 4402

**Seventh Semester Back Examination – 2014**

**SOFTWARE PROJECT MANAGEMENT**

**BRANCH : IT**

**QUESTION CODE : L 201**

**Full Marks – 70**

**Time : 3 Hours**



Answer Question No. **1** which is compulsory and any **five** from the rest.  
The figures in the right-hand margin indicate marks.

1. Answer the following questions : 2 × 10
  - (a) Define a software process. What is its significance in software project management ?
  - (b) What are different types of risk ? Mention at least four types of risks.
  - (c) What is the difference between PERT and CPM ?
  - (d) What is Putnam's equation ? Why it is required in software project management ?
  - (e) What is a contract ? Why it is required in software development ?
  - (f) What is earned value analysis ? Explain.
  - (g) Why and how to terminate a project ?
  - (h) What is the difference between ISO and CMM ?
  - (i) What is reliability ? Why and where it is required ?
  - (j) What are the advantage and disadvantage of working in groups ?
2.
  - (a) Define activity in a project planning. What are the steps of a software development plan ? Explain. 5
  - (b) Give an account of Caper Jones estimating rule of thumb. 5

P.T.O.

3. (a) What are the various scaling factors in COCOMO-II ? Use those scaling factors to estimate the cost of software. 5  
(b) Give an account of risk management strategies. 5
4. (a) Give an account of monitoring project costs. 5  
(b) Give an account of configuration management process. 5
5. (a) What are the different types of contract ? Give examples of each type. 5  
(b) Explain how to manage contracts and make final acceptance. 5
6. (a) Give an account of Oldman-Hackman job characteristics model. 5  
(b) How to motivate people for the job ? 5
7. (a) How do you work with better health and safety of people in the organization ? 5  
(b) Give an overview of project management tools. 5
8. Write short notes on any **two** of the following : 5×2  
(a) Staffing pattern  
(b) Monte carlo simulation technique  
(c) Stress  
(d) Test automation.
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