

## CE1.4-R4 : PROJECT MANAGEMENT

**NOTE :**

1. Answer question 1 and any FOUR from questions 2 to 7.
2. Parts of the same question should be answered together and in the same sequence.

Time : 3 Hours

Total Marks : 100

1. (a) What is project process and product process ?  
(b) What is a phase in project management ?  
(c) Explain the phases of software project.  
(d) Describe each levels of CMMI.  
(e) Explain stakeholder in software project.  
(f) What are the characteristics which makes software projects different from other project ?  
(g) Write short notes about contract management. (7x4)
2. (a) Explain the various activities covered by software project management.  
(b) What is RISK management ? Explain categories of risk in software development.  
(c) Evaluate scheduling risk using Project Evaluation and Review Technique (PERT). (6+6+6)
3. (a) Outline the use of Gantt charts and time-line charts in visualizing project progress.  
(b) What are parameters involved in computing the total cost of a software development project ?  
(c) What is COCOMO ? Explain COCOMO model in detail. (6+6+6)
4. (a) What is quality control in software project management ? Explain types of quality control.  
(b) What does a Work Breakdown Structure (WBS) break down ?  
(c) What are skills of a good team leader in software development ? (6+6+6)
5. (a) What do you mean by resource management in software engineering ?  
(b) What are the various assumptions of time cost trade off ?  
(c) What is the purpose of earned value analysis ? (6+6+6)
6. (a) What is configuration management in software project management ?  
(b) Why is source code control important in software projects ?  
(c) What is contract testing ? (6+6+6)
7. Write short notes on following :  
(a) Software quality assurance  
(b) Software quality control  
(c) Putnam model (6+6+6)

- o O o -