B. E. 7th Semester (IT)Examination, May–2011

SOFTWARE PROJECT MANAGEMENT

Paper - CSE-403-E

Time allowed : 3 hours]   *[Maximum marks :100*

Note : Attempt any five questions. All questions carry equal marks.

1.   (a)   Comment on the statement

   (i)   "Unambiguous requirement specification is an essential requirement for success of the project."   7

   (ii)   "Software projects may seem similar to other engg. projects but have some attributes which make them different."   7

   (b)   Describe the contents list of project plan.   6

2.   (a)   Define the term stakeholder. Who are the possible stakeholders in a software project and what can be their interests?   10

   (b)   Write short notes on following

   (i)   Gantt charts

   (ii)   Product breakdown structure   5+5=10

2412-P-3-Q-8 (11)   [P.T.O.]

3.   (a)   Consider the project cash flow projection figures at the end of each year given in the table below. Calculate

       (i)   Payback period of each project.

       (ii)   Find return on investment on each project.

Year	Project 1	Project 2	Project 3
0	-100000	-1,000,000	-100000
1	10000	200,000	30000
2	10000	200,000	30000
3	10000	200,000	30000
4	20000	200,000	30000
5	100000	300,000	30000
Net profit	50000	100000	50000

       10

(b)   Define the following terms

       (i)   Net present value   5

       (ii)   Cash flow analysis   5

4.   Write short notes on following

       (i)   Software prototying

       (ii)   Spiral model for software development. 10+10=20

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5. Explain Albrecht function point analysis for finding the effort required to complete a software project. What are the problems associated with over and under estimation?   20

6. Write short notes on following   20

   (i)   Network planning model

   (ii) Forward and backward pass

   (iii) Identification of critical path

   (iv) Precedence network

7. (a) Differentiate between risk planning, risk avoidance, risk reduction and risk acceptance.

                                                   10

   (b) Define software quality. How ISO 9126 helps in achieving it.   10

8. (a) Differentiate between product and process quality management.   8

   (b) Describe some mechanisms other than money to motivate people.   7

   (c) Define contract and contract management.   5

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