

B.E. / B.Tech. DEGREE END SEMESTER EXAMINATIONS, NOV/DEC 2011

INFORMATION TECHNOLOGY

SIXTH SEMESTER

IT381 – SOFTWARE PROJECT MANAGEMENT

(REGULATION 2004)

Time : 3 hr

Max Marks: 100

Answer ALL Questions

PART – A (10 x 2 = 20 Marks)

1. How software projects differ from other projects?
2. What are the activities covered by software project management?
3. At the end of year5, project1 gives a total cash flow of Rs.150, 000 and the total cash outflow of Rs.1000, 000. Calculate the Net Profit and find out whether the project is in loss or gain?
4. What are the advantages and disadvantages of IRR?
5. Explain a 'Dangling activity' in a network diagram.
6. What are the advantages and disadvantages of choosing Beta distribution in PERT?
7. What checks are included in 'Project Evaluation Plan'?
8. What do you understand by 'Arbitration clause'?
9. Draw the generic organization model of an IT company?
10. List five golden rules to better health.

Answer ALL Questions

PART – B (5 x 16 = 80 Marks)

11. In a software organization, let the initial estimate of function point be 3800, in each category namely design, coding, implementation and support respectively. The supplier of the organization has quoted the following prices. Calculate i) cost of design. ii) Cost of coding. iii) Cost of implementation at site iv) Cost of support for one year. (16)

FP count	Design cost/FP (Rs)	Coding cost/FP (Rs)	Implementation cost/FP (Rs)	Support cost/FP/year (Rs)
Up to 1500	10,000	7000	18,000	5000
1500-2000	12,000	8000	20,000	7,000
2000-3000	15,000	10,000	22,000	10,000
3000-4000	18,000	12,000	25,000	13,000
4000-5000	20,000	15,000	30,000	15,000

12. (a) (i) What are the MACRO level steps involved in planning- Explain. (8)
(ii) Describe the various software implementation approaches in detail. (8)

Or

- (b) (i) Draw the stepwise planning flowchart and explain all its activities in detail. (8)
(ii) List and Explain in detail the various activities covered by software project management. (8)

13. (a) (i) What are the various perspectives considered while strategic assessment in the project selection process? (8)
(ii) Give short notes on Decision tree uses in Risk Evaluation. (8)

Or

- (b) Describe the various financial techniques used by an investor to evaluate a project. List their advantages and disadvantages? (16)

14. (a) Explain CPM with a neat sketch and example. (16)

Or

- (b). Explain the different steps in Risk Planning and Control. (16)

15. (a) (i) Explain in detail the various leadership styles. (8)
(ii) Describe the 5 factor personality model. (8)

Or

- (b) (i) Explain the process of 'participating management' technique. (8)
(ii) Explain the process of making an effective team. (8)