

L1B
19/11/16 AN

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Question Paper Code : 21768

B.E./B.Tech. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2015.

Seventh/Eighth Semester

Computer Science and Engineering

IT 2403/IT 73/10144 IT 704/10144 CSE 69 — SOFTWARE PROJECT
MANAGEMENT

(Common to Information Technology)

(Regulations 2008/2010)

(Common to PTIT 2403 – Software Project Management for B.E.(Part-Time)
Seventh Semester – Regulations 2009)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. What are the measures of effectiveness that are used to check the success of a project?
2. What is the responsibility of the project steering committee?
3. What are the typical issues and questions to be considered during strategic assessment?
4. What are the problems with over- and under-estimates?
5. Differentiate work breakdown structure and product breakdown structure.
6. With an example explain risk avoidance.
7. Illustrate the project control cycle.
8. What is a critical path?
9. What is Egoless programming?
10. Differentiate task oriented and people-oriented management styles.

PART B — (5 × 16 = 80 marks)

11. (a) Explain the steps involved in project planning. (16)

Or

- (b) A public library is considering the implementation of a computer-based system to help administer book loans at libraries.
- (i) Identify the stakeholders. (4)
 - (ii) What are the objectives of the project? (4)
 - (iii) How will the success and failure of the project be measured? (8)
12. (a) Explain Cost-benefit analysis and risk analysis for software projects. (16)

Or

- (b) With an example explain how to perform cash flow forecasting. (16)
13. (a) Give the various stages in formulating a network model. (16)

Or

- (b) Differentiate between PERT and CPM and also explain the steps involved in constructing PERT chart. (16)
14. (a) Draw an activity network using activity-on-node for an office automation project. (16)

Or

- (b) What are the typical stages in awarding a contract? Explain in detail. (16)
15. (a) (i) Explain Oldham-Hackman job characteristics model. (8)
- (ii) Explain Belbin's work on teams. (8)

Or

- (b) Give an overview on stress, health and safety issues. (16)