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Question Paper Code : 91572

B.E./B.Tech. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2014.

Seventh/Eighth Semester

Computer Science and Engineering

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

(Common to Information Technology)

(Regulation 2008/2010)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. What are the characteristics that make Software Projects different from other projects?
2. Distinguish between Contract Management and Technical project management.
3. What do you understand by Payback Period?
4. What are called as Discounted Cash Flow Techniques?
5. What do you understand by Work Break Down structure?
6. What is the significance of a Critical Path?
7. What is a Slip Chart? Mention its use.
8. What is Time and Material Contract?
9. State Herzberg's Two Factor Theory.
10. What do you understand by Virtual Teams?

PART B — (5 × 16 = 80 marks)

11. (a) (i) Explain the various activities covered by Software Project Management. (8)
(ii) Explain the use of Gantt Charts in Allocation of Resources. (8)

Or

- (b) Outline the Step Wise Project Planning activities using a diagram and explain in detail. (16)
12. (a) Explain the various aspects of Risk Evaluation. (16)

Or

- (b) Explain the salient features of various Cost Benefit Evaluation techniques. (16)
13. (a) (i) Explain the importance of Forward Pass with an example. (8)
(ii) Explain the use of Checklists and Brainstorming in Identification of Risks. (8)

Or

- (b) (i) Explain the Activity Based approach used for identifying project activities. (6)
(ii) List the top 10 software project risks and briefly outline the strategies for reducing each of the risks. (10)
14. (a) (i) Explain the "Earned Value" analysis method in detail. (9)
(ii) Outline the various steps involved in a Change Control procedure. (7)

Or

- (b) List down the typical Terms in a Contract and explain them in detail. (16)
15. (a) (i) Explain the Oldham-Hackman Job characteristic model. (8)
(ii) Give a brief description of the various Organizational Structure. (8)

Or

- (b) (i) Explain the various Models of Motivation in detail. (9)
(ii) Explain the various Health and Safety Issues to be addressed in a project. (7)