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B.Tech. (Part Time) End Semester DEGREE EXAMINATION, APRIL / MAY 2011

Fifth Semester / Information Technology

PTIT 9301 – SOFTWARE PROJECT MANAGEMENT

(Regulation 2009)

5

Time: 3 Hours

Answer ALL Questions

Max. Marks 100

PART-A (10 x 2 = 20 Marks)

1. Define Software project.
2. What is the need for contract management?
3. Distinguish between proactive risk and reactive risk management.
4. Write the advantages of cost benefit analysis.
5. Define forward pass and backward pass.
6. Explain hazard identification briefly.
7. What is earned value analysis?
8. List the techniques used for data collection.
9. How will you motivate people in a project?
10. Explain stress management.

PART – B (5 x 16 = 80 Marks)

11. (i) State the activities covered by Software Project Management and explain them. (8)
(ii) Explain stepwise project planning. (8)
12. (a) (i) Explain Technical Assessment. (6)
(ii) How will you perform Cash Flow Forecasting for a software project. (10)
(OR)
(b) (i) Explain the techniques used for risk evaluation. (8)
(ii) Explain the techniques used for software effort estimation. (8)
13. (a) (i) How will you perform project scheduling? (8)
(ii) Explain the network planning models. (8)
(OR)
(b) (i) Explain the risk management techniques. (8)
(ii) Develop an activity planning model for a long term project. (8)
14. (a) (i) Explain the resource allocation techniques. (8)
(ii) How will you create a framework for visualizing the project progress? (8)
(OR)
(b) (i) Explain the project monitoring techniques. (8)
(ii) Define contract placement and management. Explain them in detail. (8)
15. (a) (i) How will you perform behaviour analysis? (8)
(ii) Explain the method of selecting people for a software project. (8)
(OR)
(b) (i) How will you organize teams? Explain working in teams. (6)
(ii) List the decision making techniques used by a project leader. (6)
(iii) Explain the methods used to maintain safety. (4)