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Reg. No. :

Question Paper Code : 21518

B.E./B.Tech. DEGREE EXAMINATION, MAY/JUNE 2013.

Eighth Semester

Computer Science and Engineering

IT 2403/IT 73 – SOFTWARE PROJECT MANAGEMENT

(Common to Seventh Semester Information Technology)

(Regulation 2008)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. List some problems with software projects.
2. What is contract management?
3. Differentiate between Strategic Assessment and Technical Assessment.
4. What is the use of decision tree in Risk Evaluation?
5. List out the objectives of activity planning.
6. Give an example of activity on arrow networks.
7. Draw the project control cycle model.
8. What are the levels of prioritizing monitoring?
9. List some obstacles for good group decision making.
10. Write down any four selection criteria for SCM tools.

PART B — (5 × 16 = 80 marks)

11. (a) (i) What are the activities covered by software project management? Explain. (8)
- (ii) Identify the actions that could prevent each of the following risks from materializing or could reduce the impact if it occur. (8)
- (1) A key member of the team leaving.
 - (2) Introducing a new version of the operating system that has errors in it.
 - (3) A disk containing copies of the most up-to-date version of the software under development being corrupted.
 - (4) Government changes the taxation rules, altering the way that Value Added Tax (VAT) is to be calculated in an order processing system under development.

Or

- (b) Explain the various steps involved in step wise project planning with neat diagram. (16)
12. (a) Explain in detail about cost benefit evaluation techniques and its methods with examples. (16)

Or

- (b) (i) Discuss about Risk planning and control. (8)
- (ii) Explain why discounted cash flow techniques provide better criteria for project selection than net profit or return on investment. Justify your answer with an example. (8)
13. (a) Draw an activity network using precedence network conventions for organizing and carrying out a survey on users opinion of an information system. Assuming your own durations, identify the critical path on your network and calculate the earliest completion date for the project (16)

Or

- (b) Explain how will you identify the major risks that might affect your project and identify the strategies for minimizing each of those risks. (16)
14. (a) (i) Discuss the different methods of visualizing the progress of the project. (8)
- (ii) Explain how the delayed projects can be brought back on track. (8)

Or

- (b) (i) Discuss the steps in managing the contracts. (8)
- (ii) Explain in detail about the types of contract. (8)

15. (a) (i) How will you ensure that a right person is selected for the job?
Explain (8)

(ii) Discuss about the different models of motivation. (8)

Or

(b) Discuss about

(i) Organizational structure. (8)

(ii) Decision making. (8)