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Question Paper Code : 61231

M.E. DEGREE EXAMINATION, MAY/JUNE 2014.

Elective

Computer Science and Engineering

CS 9269/CS 969 – SOFTWARE PROJECT MANAGEMENT

(Common to M.Tech. Information Technology)

(Regulation 2009)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. Define : Software project management.
2. What is the role of project manager?
3. What are the managerial issues in a software project?
4. Define the term : Software process.
5. What is the need for process models?
6. Define the term : Pro-active risks.
7. What is direct metric?
8. Why do you require software metrics?
9. Define the term : Version control.
10. What is meant by requirements uncertainty?

PART B — (5 × 16 = 80 marks)

11. (a) Explain the various phases in project life cycle. (16)
- Or
- (b) (i) Give a brief note on product life cycle. (8)
 - (ii) What is the criteria for completion of a software project? Explain. (8)

12. (a) Explain briefly the process models – SPIRAL model and RAD model. (8+8)

Or

(b) (i) List the features of CMM model. (8)

(ii) What is the relevance of ISO 9001 to software projects? Explain. (8)

13. (a) (i) List the activities in software quality assurance (SQA). (8)

(ii) Describe briefly the various software quality attributes as per ISO 9001 standard. (8)

Or

(b) Explain the risk table and risk information sheet and its applications to risk management in detail.

14. (a) (i) Give a brief note on software configuration management. (8)

(ii) How will you prepare project scheduling ? Explain. (8)

Or

(b) (i) How will you create a project database? List its applications. (10)

(ii) What is meant by project control? Give examples. (6)

15. (a) (i) What are the activities during software maintenance? (8)

(ii) What is change management? Give examples. (8)

Or

(b) (i) What are alpha and beta testing? When it is done? Discuss. (8)

(ii) When does the software design becomes complex? Explain. (8)