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Question Paper Code : 13297

M.E. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2014.

Third Semester

Computer Science and Engineering

CP 7301 — SOFTWARE PROCESS AND PROJECT MANAGEMENT

(Regulation 2013)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. Write any two differences between Personal Software Process (PSP) and Team Software Process (TSP).
2. What is agile process?
3. Why is requirements elicitation difficult?
4. What are functional requirements?
5. How will you prioritize requirements?
6. Define Earned Value Method (EVM).
7. What is quality assurance?
8. Mention the benefits of acceptance testing.
9. How is CMMI different from CMM?
10. Define Six Sigma.

PART B — (5 × 16 = 80 marks)

11. (a) Discuss various steps involved in software development life cycle. (16)

Or

- (b) Write short notes on :
 - (i) Requirements Traceability Matrix. (8)
 - (ii) Change management. (8)

12. (a) What is function Points (FP)? How will you measure software size using function points. (16)

Or

- (b) (i) What is System Engineering? Give examples. (6)
(ii) Explain briefly : Software Requirements Specification (SRS). (10)

13. (a) How are the risks identified and prioritized? Explain the risk mitigation plans. (16)

Or

- (b) Write short notes on :
(i) Software Configuration Management. (8)
(ii) Defect Removal Efficiency. (8)

14. (a) Explain the procedure involved in software cost estimation using COCOMO model. (16)

Or

- (b) Explain different methods of testing in software projects. (16)

15. (a) Describe the procedure involved in ETVX model. Illustrate with an example. (16)

Or

- (b) Describe briefly the features of CMMI model. (16)