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Question Paper Code : 63346

M.E. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2015.

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. What is a Software Process? Give an example.
2. Distinguish iterative Software Processes from software process.
3. What is Obsolete Software Requirement? Give an example.
4. What are Non-Functional Requirements? Provide examples.
5. Define the term: Project Efforts.
6. Give some examples of business risks.
7. What is Work Break Down Structure? State their purpose.
8. What is Debugging? State their purpose.
9. What is a Defect?
10. What is Defect Removal Efficiency (DRE)?

PART B — (5 × 16 = 80 marks)

11. (a) Discuss briefly the concept of Personal Software Process (PSP) and Team Software Process (TSP). (16)

Or

- (b) (i) What is Change Management? How will you manage the change requests for requirements from the customer? (8)
- (ii) What is Software Requirements Specification (SRS)? Give examples. (8)

12. (a) (i) What is Requirements Prioritization? How will you prioritize customers' requirements? (8)
(ii) Give a brief note on Architecture centric Development Method (ACDM). (8)

Or

- (b) (i) How do project managers capture and manage software risks in a software project? Explain. (8)
(ii) Give a brief note on CO COMO II model. (8)
13. (a) (i) How will you measure function points (FP)? Give examples. (8)
(ii) What is Software Project Planning? List its activities. (8)

Or

- (b) (i) How will you track the progress of different activities in a software project? Explain. (8)
(ii) What is meant by Risk Mitigation? Explain. (8)
14. (a) Explain, Integration Testing and Acceptance Testing in detail. (16)

Or

- (b) (i) Discuss the need for Software Configuration Management (SCM). (8)
(ii) What is Software Quality Assurance (SQA)? Explain. (8)
15. (a) Describe briefly the quality models - CMM and Six Sigma. (8+8)

Or

- (b) Describe briefly the software process models - Spiral and RAD. (8+8)