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13/1/16 FN

Reg. No. :

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Question Paper Code : 95325

5 Year M.Sc. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2015.

Elective

Software Engineering

ESE 504 — PERSONAL SOFTWARE PROCESS AND TEAM SOFTWARE
PROCESS

(Regulations 2010)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. Define Software process.
2. What are the procedures for product planning?
3. Define Project plan.
4. Give SDLC diagram.
5. How process quality is measured? Give example.
6. Give example for Team projects.
7. Why software testing is essential? How it is done for team software?
8. Define smoke testing.
9. What is the role of support manager?
10. List the roles of development manager in team management.

PART B — (5 × 16 = 80 marks)

11. (a) (i) How time is managed while building software projects? Explain with software development for banking system. (8)
- (ii) What is tracking time? Explain the situation where tracking time is necessary. (8)

Or

- (b) (i) How software process is scheduled? Explain the principles of managing schedules. (8)
- (ii) Describe the roles in product planning. (8)
12. (a) (i) How defects in project plan is identified? Explain project plan with an example. (8)
- (ii) What are the metrics used in evaluating product quality? Explain. (8)

Or

- (b) (i) Describe the steps in designing defects. (8)
- (ii) What are the metrics used in evaluating process quality? Explain. (8)
13. (a) (i) What are the conditions for team work? Explain the steps to be followed in Building Effective Teams. (8)
- (ii) Give short note on Process Improvement methods. (8)

Or

- (b) (i) Give the structure of TSP and explain the TSP Process flow with neat diagram. (8)
- (ii) Explain the activities involved in the TSP launching. (8)
14. (a) Discuss in detail about all phases of product implementation.

Or

- (b) (i) Compare integration and system testing. (8)
- (ii) Derive the strategy to balance team workload. (8)
15. (a) (i) What way planning manager role related with development manager role? (8)
- (ii) Explain in detail the roles of process manager. (8)

Or

- (b) (i) Compare the roles of team leader and planning manager. (8)
- (ii) Explain the PSP planning process with module diagram. (8)