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**Question Paper Code : 27325**

**5 Year M.Sc. DEGREE EXAMINATION, MAY/JUNE 2016**

**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. What is weekly activity summary ?
2. What is a product plan ?
3. What are defects ?
4. What is process quality ?
5. What are the reasons for project failures ?
6. What is the need for requirements ?
7. What are design principles ?
8. Why do we need a post-mortem ?
9. What are the goals of the development manager ?
10. What are the project activities of the planning manager ?

**PART – B (5 × 16 = 80 Marks)**

11. (a) (i) Explain the steps of improvement process with a flow chart. (8)  
(ii) Draw and explain the standard time recording log with an example. (8)

**OR**

- (b) (i) Explain the procedure to estimate the program size. (8)  
(ii) Define commitment. Explain with an example. (8)

12. (a) (i) Draw the flow chart of project planning process and explain each task. (10)  
(ii) What are defects ? What are the types of defects ? (6)

**OR**

- (b) (i) How will you build a personal checklist? Explain. (8)  
(ii) How will you measure the product quality ? Explain. (8)

13. (a) (i) Explain the structure, flow, and process of TSP. (8)  
(ii) Explain the goals of individual role. (8)

**OR**

- (b) Explain development plan scripts in detail. (16)

14. (a) (i) Explain the designing strategies for usability, reuse, and testability. (8)  
(ii) Describe product implementation standards. (8)

**OR**

- (b) What are the principles of testing? Explain TSP test scripts. (16)

15. (a) (i) Discuss the principal activities of the team leader. (12)  
(ii) What are the goals of the planning manager. (4)

**OR**

- (b) (i) Explain the principal activities of the quality/process manager. (10)  
(ii) Discuss the skills and abilities of the support manager. (6)