

DECEMBER 2015

**P/ID 16159/PIE04**

Time : Three hours

Maximum : 100 marks

PART A — (6 × 5 = 30 marks)

Answer any SIX questions each in 200 words.

1. Compare software program, project process and product.
2. Explain the responsibilities of software project management.
3. What are software project metrics? How many of them are measurable? List few.
4. List out various risks of software? Which is critical? And crucial? and needs immediate attention? Why?
5. How a late project can be made in track and upto date? Discuss the procedure.
6. What is SQA? How the qualities are assured?
7. What is meant by horizontal and vertical factoring of software? Describe.
8. How component level design helps in reaching milestones in time? Describe .

PART B — (7 × 10 = 70 marks)

Answer any SEVEN questions each in 500 words.

9. Explain the activities of software project development and how these activities are managed.
10. Explain the software project metrics? How they are evaluated? How the feedback is provided based on the metric values?
11. Briefly review the project management concepts and write about the scenario on different kinds of software project.
12. Discuss the risk assessment and monitoring plans.
13. How the progress of software project development is measured? What are the milestones? How they are trackable?
14. Explain SCM and system engineering concepts.
15. Derive the procedure for software design. State and explain the principles involved, including coupling and cohesion.
16. How user interface is designed? Why it is so important? Justify.
17. Explain unit, integration, system and stress testing schemes.