909

Register No.: [ ]

April 2019

Time – Three hours
(Maximum Marks: 75)

[N.B: (1) Q.No. 8 in PART – A and Q.No. 16 in PART – B are compulsory. Answer any FOUR questions from the remaining in each PART - A and PART - B

(2) Answer division (a) or division (b) of each question in PART - C.

(3) Each question carries 2 marks in PART – A, 3 marks in Part – B and 10 marks in PART – C.]

PART – A

1. Define correctness and completeness.
2. What is the most important feature of spiral model?
3. What do you mean by software metric?
4. What is fan-in and fan-out?
5. What do you mean by project risk?
6. Mention the types of maintenance.
7. What is cyclomatic complexity?
8. Expand the term SEI-CMM.

PART – B

9. State any three advantages of prototype model.
10. Explain how to achieve consistency in the SRS.
11. Mention the different types of coupling.
12. List down the benefits of using function points.
13. Expand (i)POFOD and (ii)ROCOF.
14. State any three reasons for choosing unit testing.
15. Write about the use of reliability metric.
16. Draw and describe the risk manager tool.

[Turn over.....

PART – C

17. (a) Write about the components of SRS.

(Or)

(b) Explain waterfall model in detail.

18. (a) Explain the different categories of CASE tools.

(Or)

(b) (i) Explain the various types of cohesion.
(ii) What are the steps present in estimation?

19. (a) Briefly explain work break down structure and Gant chart.

(Or)

(b) (i) Write about different types of software risks.
(ii) How a software maintenance is categorized?

20. (a) Explain integration testing in detail.

(Or)

(b) (i) Write about professional ethics.
(ii) Mention the benefits of tools in system testing.

21. (a) Explain about software quality attributes in detail.

(Or)

(b) Explain Re-Engineering process with a neat diagram.
