DECEMBER 2022 **P/ID 17616/PCA4N/ PCAEF**

Time : Three hours Maximum : 80 marks

PART A — (10 × 2 = 20 marks)

Answer any TEN questions

1. Define the term software.
2. What is meant by feasibility study?
3. Write down the reasons for the failure of waterfall model.
4. What are the various tasks in Requirement engineering?
5. What is the difference between flow based and class based modelling?
6. What is meant by change control?
7. Write down the components of User Interface Design.
8. Differentiate between project and process metrics.
9. What is RMMM plan?
10. When informal reviews are carried out?
11. Write down the merits of top down integration.
12. What is validation testing?

PART B — ($5 \times 6 = 30$ marks)

Answer any FIVE questions

13. Describe the Incremental process model with neat sketch.

14. List the task regions in spiral model.

15. What is called Eliciting requirements? Explain.

16. Briefly discuss the data modelling concepts.

17. Write short notes on W5HH principle.

18. Discuss the goals and metrics of SQA.

19. Explain white box testing technique.

PART C — ($3 \times 10 = 30$ marks)

Answer any THREE questions

20. Discuss about concurrent and specialized process models.

21. Describe the activities of Requirement analysis.

22. Describe the components of Architectural design.

23. Explain the software project estimation techniques.

24. Explain in detail about software testing strategies.

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