P.G.D.C.S DEGREE EXAMINATION, NOVEMBER 2023
FIRST SEMESTER

PAPER   :   SOFTWARE ENGINEERING
SUBJECT CODE: 23CS/DC/SE14
TIME   :   3 HOURS   **MAX. MARKS: 100**

SECTION - A
Answer ALL the questions.   **(10x2=20)**

1. Define Software Engineering?
2. What are the different phases of SDLC?
3. What is agile methodology?
4. What is a user story?
5. What is abstraction in software designing?
6. List the design concepts of a software.
7. What is integration testing?
8. What do you mean by code coverage?
9. Name any two cause for the project delay?
10. Differentiate proactive and reactive risk strategies?

SECTION - B
Answer any SIX of the following questions: **(6x5=30)**

11. Discuss waterfall model with proper diagrams.
12. Elucidate about software requirement specification(SRS).
13. Explain Traceability Matrix.
14. Describe Arlow and Neustadt rules of thumb.
15. Write in detail about McCall's quality factors.
16. What is unit testing? Explain with proper diagrams.
17. Write a note on scheduling tools and techniques.
18. Discuss about COCOMO Model II.

SECTION - C
Answer any FIVE of the following questions: **(5x10=50)**

19 Explain the agile process with scrum.
20. Discuss about usecase and activity diagrams used for design modelling.
21. Explain about different types of reviews done by software quality team.
22. Describe SCM in detail.
23. Elucidate on basis path testing.
24. Explain about the Basic Design Principles.
25. Elaborate the RMMM plan in risk management.

****