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V Semester B.C.A. 6 (NEP) Degree Examination, March/April - 2024 SOFTWARE ENGINEERING

(Regular)

Time: 2 Hours

Maximum Marks: 60

Instructions to Candidates:

All Sections are compulsory.

SECTION-A

Answer any TEN questions.

 $(10 \times 2 = 20)$

- 1. Define Software Engineering.
 - 2. What is SRS?
- 3. List any four software Ethics.
 - 4. Mention software process Activities.
 - 5. What is water Fall model?
 - 6. What is Architectural Design?
 - 7. What is DFD?
 - 8. What are the uses of web applications.
 - 9. List the principles of user Interface Design.
 - 10. What is Software Quality?
 - 11. What is White Box Testing?
 - 12. Define unit Testing.

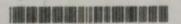
SECTION-B

Answer any FOUR questions. Each carries 5 marks.

 $(4 \times 5 = 20)$

- 13. Explain software Requirement Document.
- 14. What is scrum? Explain scrum sprint cycle.

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- 15. Describe a layered Architecture with a neat diagram.
- 16. Discuss the Golden Rules of UID.
- 17. Explain Black Box Testing.

SECTION-C

Answer any TWO questions. Each carries 10 marks.

 $(2 \times 10 = 20)$

- 18. Explain Incremental software process model and mention its Merits and Demerits.
- 19. What is sequential Diagram? Explain sequential diagram with one example
- 20. Write a shorts notes on:
 - a) Functional Requirements.
 - b) Mobile Interface Design Principles.