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RNLKWC/IVS/SE/ C9T/22

End Semester Examination, 2022

Semester - IV

Subject - BCA

Software Engineering (Hons.)

PAPER - C9T

Full Marks : 40

Time : 2 Hours

A. Answer any five questions : 5x2=10

1. What are the difference of Software and Software Engineering ? 2
2. How to find the size of a software product ? 2
3. What is Risk leverage ? 2
4. What is cohesion and coupling ? 2
5. What do you mean by software procers framework ? 2
6. What is SDLC ? 2
7. The Radius and angular dimension of a spiral model represents what ? 2
8. What are the types of maintenance ? 2

B. Answer any four questions : 4x5=20

9. What is DFD ? What do you mean by context diagram ? Draw a DFD for RMS (Roof-Mean-Square) calculating Software. 1+1+3
10. Write down the characteristic of a good software design. 5

(Turn Over)

11. What is test case and test suite? Write down the Black box approach and its classification. 2+3
12. Explain Requirement Analysis in details. 5
13. i) Write the difference between alpha testing and beta testing?
ii) Why feasibility study is needed in software engineering? 2+3
14. What are the characteristics of SRS? Write down the advantages of using prototype model in software development. 3+2
- C. Answer any one questions : 1x10=10**
15. What do you mean by risk management? Explain it in details. Write a short note on COCOMO Model. 5+5
16. What is project planning? Write down the difference between verification and validation. 3+2
What are the Metrics for project size Estimation? Explain in details. 5