B.C.A. DEGREE EXAMINATION,APRIL 2019
III Year VI Semester
Software Engineering and Testing

Time : 3 Hours **Max.marks :75**

Section A $(10 \times 2 = 20)$ Marks

Answer any **TEN** questions

1. Define Software Engineering.
2. What is Process?
3. What are the process models?
4. What is system engineering?
5. What is system modeling?
6. What is CMMI?
7. What are the software requirements?
8. What is negotiating requirements?
9. Define a software testing.
10. Define a principles of testing.
11. What is testing and its importance?
12. How do you perform integration testing?

Section B $(5 \times 5 = 25)$ Marks

Answer any **FIVE** questions

13. Describe a Layered technology in software engineering.
14. Explain the Waterfall model in software engineering.
15. Describe a system engineering hierarchy.
16. Write about Cyclomatic complexity.
17. Describe in detail of eliciting requirements.
18. Explain the White box testing.
19. Write notes on Integration testing.

Section C $(3 \times 10 = 30)$ Marks

Answer any **THREE** questions

20. Write a generic view of process in software engineering?
21. Explain the process model in software engineering.
22. Write a connection between to design and construction in requirement engineering.
23. Briefly explain the black box testing.
24. Describe the concept of system and acceptance testing.

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