

B.C.A. DEGREE EXAMINATION, APRIL 2018
III YEAR - VI SEMESTER
Core Elective Paper II-SOFTWARE ENGINEERING AND TESTING

Time : 3 Hours

Max.marks :75

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

Answer any **TEN** questions

1. What is Layered Technology in software engineering?
2. Define : The Software Process
3. Define : Product Engineering
4. What is System modeling?
5. What is Requirements engineering?
6. Define Data dictionary
7. What is the objective of Testing?
8. List out the Testing Principles
9. What is Validation Testing?
10. Define : Acceptance Testing
11. What is Transaction Mapping?
12. Define Software Prototyping

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

Answer any **FIVE** questions

13. Explain about CMMI
14. Explain with a neat diagram for Spiral Model
15. Explain : Eliciting Requirements
16. What is Equivalence Partitioning? Explain
17. Explain about Integration Testing
18. What is Business Process Engineering? Explain
19. What is Cyclomatic complexity? Explain with example

P.T.O.

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

Answer any **THREE** questions

20. Explain about Personal and Team process models.
21. What is Water fall model? Explain
22. How will you build and Analysis Model? Explain with example
23. Explain about Basis Path Testing.
24. What is System Testing? Explain