

**FACULTY OF ENGINEERING****B.E. VI – Semester (CBCS)(CSE) (Main) Examination, April/May 2019****Subject: Software Engineering****Time : 3 Hours****Max. Mark: 70****PART – A (20 Marks)****Note: Answer all questions from Part – A & any five questions from Part-B.**

- |   |   |
|---|---|
| 1. What are umbrella activities? Give an example?                               | 2 |
| 2. What is an agile process? List few agile, Process Models                     | 2 |
| 3. What are the principles of modeling?   | 2 |
| 4. What is the role of requirements engineer in requirements elaboration phase? | 2 |
| 5. List the goals of a good design.   | 2 |
| 6. What is scenario based modeling?   | 2 |
| 7. What is the purpose of a Data design?  | 2 |
| 8. Differentiate between coupling and cohesion.                                 | 2 |
| 9. What is software quality Assurance (SQA)?                                    | 2 |
| 10. Given any 2 differences between Black box & white box testing.              | 2 |

**PART – B (50 Marks)**

- |   |    |
|---|----|
| 11. a) Briefly explain evolutionary process models?                       | 5  |
| b) Explain process framework with an example?                             | 5  |
| 12. a) Explain about Business process Engineering?                        | 5  |
| b) What is requirements engineering? Explain about elicitation in detail. | 5  |
| 13. a) Explain in detail about flow oriented modeling.                    | 5  |
| b) Briefly explain software design process and quality.                   | 5  |
| 14. Explain Architecture styles and patterns in details.                  | 10 |
| 15. a) Explain ISO 9000 quality standards.                                | 5  |
| b) What is debugging? Explain the process of debugging.                   | 5  |
| 16. a) Explain Object Oriented test strategies.                           | 5  |
| b) Explain metrics for maintenance.                                       | 5  |
| 17. Explain   |    |
| (i) Interface Design Steps  | 5  |
| (ii) Validation testing   | 5  |

\*\*\*\*\*