

FACULTY OF INFORMATICS**B.E. 4/4 (IT) II-Semester (Main) Examination, May 2016****Subject : Software Project Management (Elective – V)****Time : 3 hours****Max. Marks : 75****Note: Answer all questions from Part-A and any FIVE questions from Part-B.****PART – A (25 Marks)**

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| 1 | What are the five necessary improvements for the betterment of the waterfall model? | 2 |
| 2 | How do we achieve ROI across a line of business, a project with multiple iterations, and a life cycle of product releases? | 3 |
| 3 | Write the advantages and disadvantages of commercial components versus custom software. | 3 |
| 4 | List out various management artifacts. | 2 |
| 5 | Define conventional WBS issues. | 3 |
| 6 | Define Roundtrip Engineering. | 2 |
| 7 | Define process maturity. | 2 |
| 8 | Write the primary objectives of inception and elaboration phases. | 2 |
| 9 | Explain Stakeholders Environment. | 3 |
| 10 | List out the seven top-level workflows. | 3 |

PART – B (50 Marks)

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| 11 | a) Write short notes on pragmatic software cost estimation. | 5 |
| | b) How do we improve team effectiveness? | 5 |
| 12 | Discuss the principles of modern software management. | 10 |
| 13 | Explain Default Project Organization and Responsibilities. | 10 |
| 14 | Discuss the various Engineering artifacts in modern software project management. | 10 |
| 15 | Write short notes on the following : | |
| | a) Software management best practices | 5 |
| | b) Next generation cost models | 5 |
| 16 | List and explain the following metrics of a software project | |
| | a) Management Indicators | 4 |
| | b) Quality Indicators | 6 |
| 17 | CMM classifies software development organization into five maturity levels. Explain each level in detail. | 10 |
