

FACULTY OF ENGINEERING**B.E. 4/4 (CSE) I – Semester (Suppl.) Examination, June 2016****Subject: Software Project Management (Elective – I)****Time: 3 Hours****Max.Marks: 75****Note: Answer all questions from Part A. Answer any five questions from Part B.****PART – A (25 Marks)**

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| 1 | What are the basic steps for building a program? | 2 |
| 2 | Differentiate between metaprocess, macroprocess and microprocess. | 3 |
| 3 | Define artifact and artifact set. | 3 |
| 4 | What is included in an architecture baseline? | 2 |
| 5 | How do you define rework and adaptability? | 2 |
| 6 | What is WBS? What is its role in SPM? | 3 |
| 7 | Evolutionary requirements rather than functional decomposition – Justify. | 3 |
| 8 | Write any three important functions of a project manager. | 3 |
| 9 | Draw the diagram for round trip engineering. | 2 |
| 10 | Distinguish between iteration and increment. | 2 |

PART – B (50 Marks)

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| 11 | What are the top five principles of modern software management and how are there improvements compared to waterfall model. | 10 |
| 12 | Discuss the concept of the following management/engineering artifact sets: | |
| | a) Business case | 3 |
| | b) Software Development Plan | 4 |
| | c) Vision Document | 3 |
| 13 | Explain the following: | |
| | a) Predominant cost estimation model | 5 |
| | b) Principles of modern software management | 5 |
| 14 | List the top ten software metrics by Bohem and how does the modern software management process address each one of them. | 10 |
| 15 | Distinguish between Programme Management and Portfolio Management. Explain the four stages of Program Management. | 10 |
| 16 | What are the nine best practices for improving the software management discipline as proposed by the Airlie Software Council and how does the modern process management principles impact them. | 10 |
| 17 | a) Why Software Project Management is more important? | 5 |
| | b) Write any five important criterion that need to be considered while evaluating a project. | 5 |
