

FACULTY OF ENGINEERING
B.E. 3/4 (CSE) I – Semester (Supplementary) Examination, July 2014

Subject: Software Engineering

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 | Define process patterns. | 2 |
| 2 | Define team software process. | 2 |
| 3 | List the objectives of planning and managing the software project. | 3 |
| 4 | What are the difficulties faced by a requirements – engineer during requirements elicitation? | 3 |
| 5 | What is quality's role in Design? | 2 |
| 6 | List an advantage and disadvantage of software reuse. | 2 |
| 7 | What is the importance of software architecture? | 2 |
| 8 | List the elements of user interface. | 3 |
| 9 | When is testing complete? | 3 |
| 10 | List few object-oriented test methods. | 3 |

PART – B (50 Marks)

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| 11 | a) Determine a model to relate process, process assessment, process improvement and capability determination. | 6 |
| | b) List the various kinds of prescriptive process models with examples for each. | 4 |
| 12 | Explain in detail the COCOMO. | 10 |
| 13 | Explain in detail scenario-based modelling. | 10 |
| 14 | “Four different models come into play when a user interface is analyzed and designed”. List and explain them in short. | 10 |
| 15 | Explain the debugging process with few debugging strategies. | 10 |
| 16 | Write short notes on the following: | |
| | a) Concurrent Development Model | 4 |
| | b) Project risk management | 3 |
| | c) Purpose of design | 3 |
| 17 | Write short notes on the following: | |
| | a) Independent component architectural style. | 4 |
| | b) Black Box Testing | 3 |
| | c) Elements of framework for product metrics. | 3 |