

Code No: 115EM**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD****B. Tech III Year I Semester Examinations, October - 2020****SOFTWARE ENGINEERING****(Common to CSE, IT)****Time: 2 hours****Max. Marks: 75****Answer any five questions
All questions carry equal marks**

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- 1.a) What are specialized process models? Explain any one process model in detail.
b) What is CMMMI? Explain. [8+7]
- 2.a) Discuss about the software requirements document with a neat diagram.
b) Describe the process of requirements management. [8+7]
- 3.a) Distinguish between cohesion and coupling.
b) Define transaction flow. Explain transaction mapping in detail. [7+8]
- 4.a) Discuss about the CK metrics suite in detail.
b) Define black-box testing. Explain black-box testing technique with example merits and demerits. [7+8]
5. Explain the following:
a) SQA activities
b) Assessing risk impact. [7+8]
- 6.a) Explain in detail about Spiral model.
b) What are software myths? Explain in detail. [7+8]
- 7.a) Model the data processing that might take place in e-mail system. You should model the mail-sending and mail-receiving processing separately.
b) Who should be involved in a requirements review? Draw a process model showing how a requirements review can be organized. [7+8]
- 8.a) Briefly explain about the design model at component level.
b) Write interface design steps? Explain the same. [8+7]

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