Code No: 135BM

R16

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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