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Code No: 5458AY

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

M. Tech II Semester Examinations, July/August – 2021

SOFTWARE PROCESS AND PROJECT MANAGEMENT

(Computer Science and Engineering)

Time: 3 hours

Max. Marks: 75

**Answer any Five questions
All questions carry equal marks**

- 1.a) Describe the principles of software process change and TSP. [7+8]
- b) Discuss about software process assessment. And also discuss about CMM. [7+8]
- 2.a) What are process reference models? Explain any two of them.
- b) What is meant by Requirements Driven functional decomposition? Explain the risk profile of a conventional software project across its life cycle. [7+8]
3. Provide the default agendas for the life cycle architecture milestone. [15]
- 4.a) Explain life-cycle expectations in detail.
- b) With the help of a neat diagram, explain the software team evolution over the life cycle. [7+8]
- 5.a) Explain about next-generation project performance.
- b) Discuss about IPDR demonstration scope in detail. [7+8]
- 6.a) Explain the four important environment disciplines.
- b) Discuss about quality indicators in detail. [7+8]
- 7.a) List out the low level requirements that evolve for a relatively large project.
- b) Compare and contrast change management environment and round trip engineering. [7+8]
8. Explain process automation. [15]

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