

R18

Code No: 154CM

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

B.Tech II Year II Semester Examinations, August/September - 2022

PRINCIPLES OF SOFTWARE ENGINEERING

(Computer Science and Engineering (Software Engineering))

Time: 3 Hours

Max.Marks:75

Answer any five questions
All questions carry equal marks

- 1.a) What are various software myths?
b) Explain Capability Maturity Model Integration (CMMI). [8+7]
- 2.a) Distinguish between incremental process models and evolutionary process models.
b) Explain about process Patterns. [8+7]
- 3.a) Distinguish between functional and non-functional requirements.
b) Explain about object model. [8+7]
- 4.a) Explain Context model and Behavioral model.
b) Explain about requirement validation of Requirement Engineering Process. [9+6]
- 5.a) What are various architectural styles and patterns? Explain.
b) Explain about the design quality of Design Engineering. [10+5]
- 6.a) Explain about collaboration diagrams.
b) Draw the Usecase diagram for online Library system. [7+8]
- 7.a) What are the metrics for testing and metrics for maintenance?
b) Distinguish between black box testing and white box testing. [9+6]
- 8.a) Explain the ISO 9000 quality standards.
b) Explain how to identify the risk. [9+6]

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