

R13

Code No: 812AJ

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

MCA II Semester Examinations, October/ November - 2020

SOFTWARE ENGINEERING

Time: 2 Hours

Max. Marks: 60

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

1. Which is more important the product or the process? How do linear and iterative process models differ? What are their strengths and weaknesses? [12]
- 2.a) What are the characteristics of SRS?
b) Describe the activities of Requirements Elicitation and Analysis process in brief. [6+6]
3. Develop a structural model, including a class hierarchy diagram and an aggregation diagram showing the components in the College information system. [12]
- 4.a) Distinguish between verification and validation. What are the conditions exists after performing validation testing?
b) Define debugging? What are the common approaches in debugging? [6+6]
5. Explain the following
a) Reactive Vs Proactive Risk strategies.
b) RMMM Plan. [6+6]
- 6.a) Explain the levels in continuous model of CMMI.
b) Explain unified process? Elaborate on the unified process work products. [6+6]
7. Illustrate with example the various System Models to be created during the Analysis process. [12]
8. State Golden rules for Interface Design coined by Mandel. What are the activities of User Interface Analysis and Design Process? [12]

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