

R17

Code No: 842AE

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

MCA II Semester Examinations, July/August - 2021

SOFTWARE ENGINEERING

Time: 3 Hours

Max.Marks:75

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

- 1.a) Explain about software process models in detail.
- b) Explain about various software myths. [8+7]
2. Explain Capability Maturity Model Integration in detail. [15]
3. Describe software requirement elicitation and analysis process. [15]
4. Explain the Requirements Engineering process. Discuss Behaviour models. [15]
5. Define the term software design. Why is the software design phase crucial for success of a project? Explain about pattern based Software design. [15]
6. Briefly explain the terms and concepts of Collaboration diagram. Draw the Collaboration diagram for ATM bank transaction machine. [15]
- 7.a) Distinguish between Black Box and white-Box testing.
- b) Define the term debugging state and explain various debugging approaches. [7+8]
8. Discuss assessing risk impact for risk management. Discuss on Risk Refinement process. [15]

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