

**Code No: 155DB****JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD****B. Tech III Year I Semester Examinations, February - 2022****SOFTWARE ENGINEERING****(Common to CSE, IT, ITE)****Time: 3 hours****Max. Marks: 75****Answer any five questions  
All questions carry equal marks**

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- 1.a) Describe the various software myths.  
b) Explain the overview of unified process model. [7+8]
- 2.a) Explain in detail about evolutionary process model.  
b) What are the advantages of layered technology? [8+7]
- 3.a) Describe the structure of Software Requirements document.  
b) Briefly explain about Context models. [7+8]
- 4.a) Explain the differences between functional requirements and non-functional requirements.  
b) Briefly explain about structured methods. [7+8]
- 5.a) Briefly explain about interface analysis and interface design steps.  
b) Write a short note on class diagrams. [8+7]
- 6.a) Write a short note on component diagrams.  
b) Explain the process of creating models and the factors that should be considered when building models. [7+8]
- 7.a) What are the metrics for Analysis Model? Explain.  
b) Write a short note on system testing. [8+7]
- 8.a) Describe about formal technical reviews.  
b) Explain the methods for Risk Identification. [7+8]

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