

Code No: 135BM/125EM/115EM/55029

**R16/R15/R13/55029**

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**

**B. Tech III Year I Semester Examinations, March - 2021**

**SOFTWARE ENGINEERING**

**(R16-Common to CSE, IT; R15-Common to CSE, IT; R13-Common to CSE, IT;  
R09-Common to CSE, IT)**

**Time: 3 Hours**

**Max. Marks: 75**

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

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1. "The software is an integral part of every human's life". Substantiate the statement with suitable discussions on evolving role of software. [15]
2. What is unified process? Explain the four phases and work flows associated with the unified process. [15]
- 3.a) What does feasibility analysis imply when it is discussed within the context of the inception function?  
b) How to validate requirements? Illustrate. [8+7]
4. Demonstrate the steps performed by analyst in creating a behavioral model. [15]
- 5.a) Describe about the design of conventional components.  
b) Differentiate between an architectural pattern and a framework. [7+8]
6. Compare and contrast the design steps for transaction mapping and steps for transform mapping. [15]
- 7.a) Explain about the art of Debugging.  
b) Explain about the metrics for software quality. [7+8]
- 8.a) Differentiate between risk components and risk drivers.  
b) Explain about the software quality assurance and reliability. [7+8]

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