

Code No: 5405AC

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**  
**M. Tech I Semester Examinations, December – 2018/January - 2019**  
**SOFTWARE ENGINEERING**  
**(Computer Science)**

**Time: 3hrs****Max.Marks:75****Note:** This question paper contains two parts A and B.

Part A is compulsory which carries 25 marks. Answer all questions in Part A. Part B consists of 5 Units. Answer any one full question from each unit. Each question carries 10 marks and may have a, b, c as sub questions.

**PART - A****5 × 5 Marks = 25**

- 1.a) What are the software myths and how to overcome them? [5]
- b) State the importance of interface design of a software. [5]
- c) Elaborate on design process. [5]
- d) Compare and contrast black box and white box testing. [5]
- e) What are ISO 9000 quality standards? [5]

**PART - B****5 × 10 Marks = 50**

2. Discuss on CMMI. [10]
- OR**
3. Describe evolutionary process model. [10]
4. How are the choice of data models improve the efficiency of a software? Give example. [10]
- OR**
5. Write short notes on:  
a) feasibility study b) non functional requirements. [5+5]
6. Describe the software architecture in detail. [10]
- OR**
- 7.a) Explain about conceptual model of UML.  
b) What is the use of sequence diagram. [5+5]
8. What is a) Metrics for analysis model b) Metrics for maintenance. [5+5]
- OR**
9. How do we design test strategies to ensure software quality? Give example for each. [10]
10. How is software measured? Explain the metrics for software quality assessment. [10]
- OR**
11. What is  
a) RMMM plan  
b) Reactive Vs proactive risk strategies. [5+5]

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