

www.FirstRanker.com

www.FirstRanker.com

Code No: 812AJ JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD MCA II Semester Examinations, August - 2017 SOFTWARE ENGINEERING

Time: 3 Hours

Max. Marks: 60

Note: This question paper contains two parts A and B. Part A is compulsory which carries 20 marks. Answer all questions in Part A. Part B consists of 5 Units. Answer any one full question from each unit. Each question carries 8 marks and may have a, b, c as sub questions.

PART - A

		5×4 Marks = 20
1.a)	Write short note on CMMI.	[4]
b)	Explain Behavioral models.	[4]
c)	What is component level design?	[4]
d)	Describe Validation testing.	[4]
e)	State any three ISO 9000 quality standards.	[4]

PART - B

5 × 8 Marks = 40

2. Compare waterfall model and Incremental process models. And also discuss for which type of projects the water fall model is preferable. [8]

OR

- 3. What are specialized process models? How are they different from the unified process?[8]
- 4. What is meant by Requirements elicitation? Describe how is it different from Requirements analysis. [8]

OR

- 5. Explain the Requirement validation techniques with suitable examples. [8]
- 6.a) Discuss the importance of software design. Explain how to asses Design qualities?
- b) What are Design patterns? How they are useful in software design? [4+4]

OR

- 7.a) Discuss about design by top-down decomposition and design by composition.
- b) What is meant by component based design? Discuss its advantages and its drawbacks.

[4+4]

8. Distinguish between process metrics and project metrics. Give suitable example to each of them. And explain about types of product metrics. [8]

OR

- 9 Define the Testing process. Differentiate between black box testing and white box testing with suitable examples. [8]
- 10. Discuss about risk mitigation and monitoring and RMMM plan. [8]

OR

11. Define the term software Quality. And discuss various metrics that can be adopted for assessing software quality management. [8]

www.FirstRanker.com