

Code No: 824AG

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**MCA IV Semester Examinations, June/July - 2018****SOFTWARE PROCESS AND PROJECT MANAGEMENT****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) Explain five necessary improvements of basic waterfall model. [5]
- b) What are modern process approaches for solving conventional problems? [5]
- c) Write primary objectives of life cycle phases. [5]
- d) Explain about the iteration planning process. [5]
- e) Describe pragmatic software metrics. [5]

PART - B**5 × 10 Marks = 50**

2. Explain about the waterfall model in practice. [10]
- OR**
3. Briefly explain evolution of software economics. [10]
- 4.a) What are the principles of modern software management?
- b) How to improve software development? Explain. [5+5]
- OR**
- 5.a) How to improve effectiveness in automation through software environments?
- b) Write any 10 principles of conventional software engineering. [5+5]
- 6.a) Explain artifact evolution over the life cycle.
- b) Draw architecture and explain about an organized and abstracted view into the design models. [5+5]
- OR**
- 7.a) What are engineering artifacts? Explain.
- b) Write primary evaluation criteria of life cycle phases. [5+5]
- 8.a) Explain about line-of-business organizations.
- b) Briefly discuss about major milestones. [5+5]
- OR**
- 9.a) Describe conventional WBS issues.
- b) Discuss about stakeholder environments. [5+5]
10. Explain the following:
 - a) Early risk resolution
 - b) Modern software economics. [5+5]
- OR**
11. Explain the following:
 - a) Denouement
 - b) Process overview of CCPDS R. [5+5]