



Code No: 824AG

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**MCA IV Semester Examinations, January - 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) What are the improvements done to the basic waterfall model that would eliminate most of the development risks? [5]
- b) Give the top five principles of a modern process. [5]
- c) What are the primary objectives of inception phase? [5]
- d) What will be the impact of periodic status assessments on software project? [5]
- e) List out the differences in workflow priorities between small and large projects. [5]

PART - B**5 × 10 Marks = 50**

2. Describe the performance of conventional software project management. [10]
- OR**
3. What are the characteristics of a good estimate? Explain its role and significance in pragmatic software cost estimation. [10]
4. Explain the steps to improve team effectiveness with relevant examples. [10]
- OR**
5. Discuss the top risks involved in conventional software process and how can a modern software process resolves these risks. [10]
6. Describe the differences in emphasis between engineering stage and production stage. [10]
- OR**
- 7.a) Give typical release specification outline.
- b) Summarize the artifacts of the design set with neat UML diagram. [5+5]
8. Describe the artifacts and life-cycle emphases associated with seven workflows of a software process. [10]
- OR**
- 9.a) What are the various levels of the evolutionary Work break down structure?
- b) Discuss the activities of software architecture team. [5+5]
- 10.a) What social factors are observed on software projects?
- b) Give life cycle overview of CCPDS-R project. [5+5]
- OR**
11. Explain about SLOC-to-ESLOC conversion factors that measures the performance of CCPDS-R project. [10]

