R15

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]