

R16

Code No: 137HB

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

B. Tech IV Year I Semester Examinations, December - 2019

SOFTWARE PROCESS AND PROJECT MANAGEMENT

(Common to CSE, IT)

Time: 3 Hours

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 as sub questions.

PART - A

(25 Marks)

- 1.a) Define initial process. [2]
- b) Write brief notes on PSP. [3]
- c) What is meant by software economics? [2]
- d) Define the term artifact set. [3]
- e) Explain cost estimation process. [2]
- f) Write brief notes on major milestones in software process. [3]
- g) Write about evolution of organizations. [2]
- h) Write brief notes on metrics automation. [3]
- i) What is meant by early risk resolution? [2]
- j) Explain about evolutionary requirements. [3]

PART - B

(50 Marks)

2. Describe the principles of software process change and TSP. [10]
OR
3. Discuss about software process assessment. And also discuss about CMM. [10]
4. Explain about improving software process and improving term effectiveness. [10]
OR
- 5.a) Explain the principles of conventional software engineering. [5]
- b) Describe the phase of software project elaboration. [5]
6. Describe the conventional WBS issues and planning guidelines. [10]
OR
7. Explain about the iteration planning process and pragmatic planning. [10]
8. What are the software project quality indicators? Explain them. [10]
OR
9. What is a seven core metrics? Discuss about pragmatic software metrics. [10]
10. What are the software management best practices? Explain them. [10]
OR
11. Discuss about next generation software economics. [10]