

Code No: 117HP

R13**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD****B. Tech IV Year I Semester Examinations, March - 2017****SOFTWARE 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, c as sub questions.

Part- A**(25 Marks)**

- 1.a) What is late risk resolution? [2]
- b) What are various cost estimation models? [3]
- c) What is roundtrip engineering? [2]
- d) What are the top five principles of a modern process? [3]
- e) Define transition phase. [2]
- f) Write the typical release description outline. [3]
- g) Define product release milestone. [2]
- h) Who are stakeholders? List them. [3]
- i) Define rework and adaptability. [2]
- j) What are the major components of software cost? Why? [3]

Part-B**(50 Marks)**

- 2.a) What are five necessary improvements in waterfall model?
- b) Describe return on investments in different domains. [5+5]

OR

- 3.a) Give industrial software metrics top 10 list.
- b) Briefly explain pragmatic software cost estimation. [5+5]

- 4.a) How to improve software processes?
- b) What are the principles of modern software management? [5+5]

OR

- 5.a) Discuss about reuse with a neat diagram.
- b) Describe transitioning to an iterative process. [5+5]

6. Explain about model-based architecture in a management perspective. [10]

OR

- 7.a) Explain about construction phase.
- b) Distinguish between implementation set and deployment set. [7+3]

- 8.a) What are default agendas for the life-cycle architecture milestone?
- b) Discuss about the cost and schedule estimating process. [5+5]

OR

- 9.a) What are the activities of software architecture team?
b) Explain in detail about software change orders. [5+5]
- 10.a) What are the seven core metrics? Explain.
b) Give an example to distinguish small scale project and large scale project. [7+3]
- OR**
- 11.a) What are the basic characteristics of a good metric? Explain.
b) Give a common subsystem overview of CCPDS-R. [4+6]

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