

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]

--ooOoo--