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]