Code No: 117HP

R13

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
B. Tech IV Year I Semester Examinations, November/December - 2016
SOFTWARE PROJECT MANAGEMENT
(Computer Science and Engineering)

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)	Define late design breakage.	[2]
b)	What are the parameters of cost models?	[3]
c)	What is configurable process?	[2]
d)	What are five staffing principles?	[3]
e)	Define elaboration phase.	[2]
f)	What is WBS?	[3]
g)	What are the responsibilities of SEEA?	[2]
h)	Explain about configuration baseline.	[3]
i)	What are the sources of architectural risks?	[2]
j)	Define MTBF and maturity.	[3]

Part-B

(50 Marks)

2.a)	Explain waterfall model.	
b)	Describe the three generations of software economics.	[5+5]

OR

3.	Explain the following:	
	a) Adversarial stakeholder relationships	
	b) Requirements driven functional decomposition	[5+5]

4.a)	Explain about object-oriented methods and visual modeling.	
b)	What are the modern process approaches for solving conventional problems?	[6+4]

OR

5.a)	How to achieve required software quality? Explain.	
b)	Write and explain any ten principles of conventional software engineering.	[5+5]

6.a)	Briefly discuss about engineering stages.	
b)	Explain in detail about test artifacts.	[5+5]

OR

7.a)	Write the primary objectives of Construction and Transition phases.	
b)	What are engineering artifacts? Explain.	[5+5]

8.a) Discuss about evolutionary work breakdown structures.
 b) What are the activities of software assessment team? Explain.

OR

[5+5]

9.a) Explain in detail about planning guidelines.
 b) Discuss about automation building blocks.

[6+4]

10.a) What are process discriminants? Briefly explain.
 b) Explain culture shifts for modern process transitions.

OR

[5+5]

11.a) What are management indicators? Explain.
 b) Explain top ten software management principles.

[5+5]

--ooOoo--