R13

Code No: 814AZ

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
MCA IV Semester Examinations, December - 2019
SOFTWARE PROJECT MANAGEMENT

Time: 3 Hours   Max. Marks: 60

Note: This question paper contains two parts A and B.
Part A is compulsory which carries 20 marks. Answer all questions in Part A. Part B consists of 5 Units. Answer any one full question from each unit. Each question carries 8 marks and may have a, b, c as sub questions.

PART - A

5 × 4 Marks = 20

1.a)	Discuss about adversarial stakeholder relationships.	[4]
b)	Explain about object-oriented methods and visual modeling.	[4]
c)	Discuss about pragmatic artifacts.	[4]
d)	Describe default project organization and responsibilities.	[4]
e)	Give an overview of the seven core metrics.	[4]

PART - B

5 × 8 Marks = 40

2.a)	Write and explain top 10 industrial software metrics.	
b)	Discuss about return on investments in different domains.	[4+4]

OR

3.a)	Explain about late risk resolution with a neat diagram.	
b)	Briefly discuss about software economics.	[4+4]

4.a)	Discuss about three levels of process and their attributes.	
b)	What are the principles of modern software management?	[4+4]

OR

5.a)	What are staffing principles? Explain.	
b)	Explain about mapping the exponent components of COCOMO II to top Ten principles of modern process.	[4+4]

6.a)	Discuss about artifact evolution over the life cycle.	
b)	Explain about model based architecture in a technical perspective.	[4+4]

OR

7.a)	Explain in detail about the construction phase.	
b)	What are management artifacts? Explain in detail.	[4+4]

8.a)	What are concerns of different stakeholders?	
b)	Give the major milestones in the process development.	
c)	Explain about the artifacts and life-cycle emphasis associated with each workflow.	[2+2+4]

OR

9.a)	Describe evolutionary work breakdown structures.	
b)	What are software assessment team activities? Explain.	[4+4]

10.a)	What are quality indicators? Explain in detail.	
b)	Explain about process discriminators that result from differences in stakeholder cohesion.	[4+4]

OR

11.a)	What are software management best practices? Explain.	
b)	Describe common subsystem overview of CCPDS-R.	[4+4]