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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
M. Tech II Semester Examinations, December – 2018/January - 2019
SOFTWARE PROCESS AND PROJECT MANAGEMENT
(Computer Science)

Time: 3hrs   **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

5 × 5 Marks = 25

1.a)   Describe about optimizing process.   [5]
  b)   What are the activities in Inception phase?   [5]
  c)   What is Pragmatic planning?   [5]
  d)   What are the advantages of software metrics?   [5]
  e)   Write the quality factors for CSCI.   [5]

PART - B

5 × 10 Marks = 50

2.   Explain the principles of software process change.   [10]
OR
3.   Describe the following:
  a) CMM
  b) CMMI.   [5+5]

4.   Compare and contrast Elaboration and Construction phases.   [10]
OR
5.a)   Explain artifact evolution over the life cycle.
  b)   What are engineering artifacts? Explain.   [5+5]

6.   What are Iteration Workflows? Explain in detail.   [10]
OR
7.   Explain about Technical Perspective Model Architecture.   [10]

8.   What is process automation? Discuss about Line of Business Organization.   [10]
OR
9.a)   What are Quality Indicators?
  b)   Describe the seven core metrics used for project management.   [5+5]

10.a)   What are Modern Software Economics?
  b)   Explain automation of construction process in next generation environments.   [5+5]
OR
11.   Describe the overview of CCPDS-R software development process.   [10]

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