Code No: 5405AY

R17

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
M. Tech II Semester Examinations, June/July - 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) What are the steps in software process improvement activity? [5]
b) How to estimate the cost of software project? [5]
c) What are the typical minor milestones in the life cycle of iteration? [5]
d) What are the responsibilities of SEPA, SEEA? [5]
e) Differentiate between function point and source lines of code measures. [5]

PART - B

5 × 10 Marks = 50

2. Discuss the common misconceptions about the software process and also express the reality. [10]

OR

3. Briefly explain the capability maturity model and various levels associated with it. [10]

4. Describe the performance of conventional software project management. [10]

OR

5. Life cycle software artifacts are organized into sets. Briefly explain these sets. [10]

6.a) List the conventional work breakdown structures issues.
b) Discuss the evolution of planning fidelity in the work breakdown structure over the life cycle. [5+5]

OR

7. Show the allocation of artifacts and emphasis of each workflow in each of the life-cycle phases. [10]

8. Describe the focus of software assessment team activities over the project life cycle. [10]

OR

9.a) List the basic parameters of an earned value analysis.
b) Define change traffic, stability, adaptability. [5+5]

10. Illustrate the differences between the progress profile of a modern project and that of a typical conventional project. [10]

OR

11. Summarize the important cultural shifts to be prepared for in order to avoid frictions in transitioning successfully to a modern process. [10]

---oo0oo---