Code No: **RT4105C**   **R13**   Set No. 1

IV B.Tech I Semester Regular/Supplementary Examinations, Oct/Nov - 2018
SOFTWARE PROJECT MANAGEMENT
(Common to Computer Science and Engineering and Information Technology)
Time: 3 hours   **Max. Marks: 70**
Question paper consists of Part-A and Part-B
Answer ALL sub questions from Part-A
Answer any THREE questions from Part-B
*****

PART–A *(22 Marks)*

1. a) What is software project management?   [4]
   b) What is the impact of iterative development on evolving artifacts? [3]
   c) Write estimation techniques.   [4]
   d) Define resource allocation schedules.   [3]
   e) What is progress monitoring?   [4]
   f) Defining a software quality.   [4]

PART–B *(3x16 = 48 Marks)*

2. a) Explain software project management activities.   [8]
   b) Describe project scope.   [8]

3. a) Illustrate the first two phases of the life-cycle process.   [8]
   b) Define Artifact? Write short notes on Engineering Artifacts.   [8]

4. a) Explain detail about the effort estimation models.   [8]
   b) Discuss in detail the bottom up estimation approach.   [8]

5. a) Explain briefly nature of risk.   [8]
   b) What is PERT? Describe PERT stages with suitable example.   [8]

6. a) Explain in detail about creating the framework.   [8]
   b) Define Scheduling resources with examples.   [8]

7. a) Explain with neat diagram, the place of software quality in project planning. [8]
   b) What is capability maturity model? Explain.   [8]

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Set No. 2

IV B.Tech I Semester Regular/Supplementary Examinations, Oct/Nov - 2018
SOFTWARE PROJECT MANAGEMENT
(Common to Computer Science and Engineering and Information Technology)

Time: 3 hours   Max. Marks: 70

Question paper consists of Part-A and Part-B
Answer ALL sub questions from Part-A
Answer any THREE questions from Part-B
*****

PART–A *(22 Marks)*

1. a) Write a short note on when to plan.   [4]
    b) What are the construction phase primary objectives?   [3]
    c) Define critical path analysis.   [3]
    d) Write short notes on PERT requires three estimates.   [4]
    e) Explain cost monitoring.   [4]
    f) List and explain quality factors.   [4]

PART–B *(3x16 = 48 Marks)*

2. a) Discuss challenges in software project.   [8]
    b) Explain in detail software projects and activities.   [8]

3. a) What are primary objectives and essential activities of elaboration phase?   [8]
    b) Write engineering artifacts available at the life-cycle architecture milestone.   [8]

4. a) Explain network planning models.   [8]
    b) Discuss in detail about the use case based estimation.   [8]

5. a) Explain about the risk identification.   [8]
    b) Discuss Monte Carlo simulation with neat diagram.   [8]

6. a) With neat diagram explain project reporting structure.   [8]
    b) Discuss about the identifying resource requirement.   [8]

7. a) Explain the importance of software quality.   [8]
    b) With neat diagram explain product and process metrics.   [8]

Code No: **RT4105C**   **R13**   Set No. 3

IV B.Tech I Semester Regular/Supplementary Examinations, Oct/Nov - 2018
SOFTWARE PROJECT MANAGEMENT
(Common to Computer Science and Engineering and Information Technology)
Time: 3 hours   **Max. Marks: 70**

Question paper consists of Part-A and Part-B
Answer ALL sub questions from Part-A
Answer any THREE questions from Part-B
*****

PART–A *(22 Marks)*

1. a) What is a project?   [3]
    b) What are the construction phase primary objectives?   [4]
    c) What are the estimation techniques?   [4]
    d) Define Monte Carlo simulation.   [3]
    e) What is defect tracking?   [4]
    f) Defining a software quality.   [4]

PART–B *(3x16 = 48 Marks)*

2. a) Explain software project management activities.   [8]
    b) With neat diagram explain step-wise Objective and goals of project planning. [8]

3. a) Explain Inception and Construction phases.   [8]
    b) Explain the life-cycle phases of a process in detail.   [8]

4. a) Explain different three stages of COCOMO II model.   [8]
    b) List and explain objectives of activity planning.   [8]

5. a) Explain risk assessment.   [8]
    b) Describe PERT stages with suitable example.   [8]

6. a) Discuss Cost monitoring with suitable example.   [8]
    b) List and explain seven categories of resources.   [8]

7. a) Defining software quality in three specifications explain in detail.   [8]
    b) What are the techniques for enhancing software quality?   [8]

Code No: **RT4105C**   **R13**   Set No. 4

IV B.Tech I Semester Regular/Supplementary Examinations, Oct/Nov - 2018
SOFTWARE PROJECT MANAGEMENT
(Common to Computer Science and Engineering and Information Technology)

Time: 3 hours   Max. Marks: 70

Question paper consists of Part-A and Part-B
Answer ALL sub questions from Part-A
Answer any THREE questions from Part-B
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PART–A *(22 Marks)*

1. a) What is software project management? [4]
   b) What is the impact of iterative development on evolving artifacts? [4]
   c) Define critical path analysis. [3]
   d) What is risk management? [4]
   e) What is resource scheduling? [4]
   f) List and explain quality factors. [3]

PART–B *(3x16 = 48 Marks)*

2. a) Define the scope of software project management. [8]
   b) Explain in detail about Management. [8]

3. a) Write a short notes on:
   (i) Engineering stage
   (ii) Production stage [8]
   b) Define Artifact. Write in detail about Management artifacts. [8]

4. a) Explain in detail about COCOMO II Model. [8]
   b) Discuss in detail activity identification approaches. [8]

5. a) Explain about Monte Carlo simulation. [8]
   b) Write about the top ten software project risks and strategies for risk reduction. [8]

6. a) Briefly explain about the earned values. [8]
   b) List and explain seven categories of resources. [8]

7. a) Briefly explain ISO-9016. [8]
   b) List and explain software quality measures. [8]