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]

Code No: **RT4105C**   **R13**   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
*****

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]

1 of 1