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]