Code No: **RT4105C**

R13

Set No. 1

IV B.Tech I Semester Regular/Supplementary Examinations, October/November - 2017
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 project management?	[3]
	b)	What are merits and demerits of incremental delivery?	[4]
	c)	Where are estimates done?	[4]
	d)	What are categories of risk? Explain.	[3]
	e)	Describe the nature of resources.	[4]
	f)	Explain about product quality metrics.	[4]

PART–B *(3x16 = 48 Marks)*

2.	a)	Explain first two steps of step wise project planning.	[8]
	b)	What are the challenges in software projects planning?	[8]
3.	a)	Briefly explain about management artifacts.	[8]
	b)	Explain about life cycle models.	[8]
4.	a)	Discuss about Albrecht function point analysis with example.	[8]
	b)	Explain about activity-on-node networks with examples.	[8]
5.	a)	What are two approaches of risk identification? Explain.	[8]
	b)	Explain in detail about risk planning.	[8]
6.		Define cost monitoring. Discuss in detail about earned value analysis with suitable example.	[16]
7.		Explain the following:	
	a)	Software quality	[8]
	b)	Statistical process control	[8]

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Set No. 2

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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) Give an example of an activity network.   [3]
    b) Explain about V-process model in detail.   [4]
    c) Discuss about the top-down approach and parametric models.   [4]
    d) Explain Monte Carlo simulation.   [3]
    e) Distinguish between Gantt chart and slip chart.   [4]
    f) What are quality standards? Explain.   [4]

PART–B *(3x16 = 48 Marks)*

2. a) Discuss about setting objectives and stakeholdersc in project planning.   [8]
    b) How to analyse project characteristics? Explain.   [8]

3. a) Explain about workflows of the process.   [8]
    b) Discuss about incremental delivery process model.   [8]

4. a) Distinguish between the forward pass and backward pass with examples.   [8]
    b) Explain about COSMIC full function points.   [8]

5. a) Discuss in detail risk management.   [8]
    b) Explain about risk assessment.   [8]

6. a) Discuss about scheduling resources.   [8]
    b) Explain defect tracking and issues tracking.   [8]

7.   Explain the following:
    a) Quantitative quality management planning   [8]
    b) CMM levels   [8]

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IV B.Tech I Semester Regular/Supplementary Examinations, October/November - 2017
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)	Explain about Gantt chart showing when staff will be carrying out tasks.	[3]
	b)	Discuss about inception phase.	[4]
	c)	What are problems with over- and under-estimates?	[4]
	d)	What is risk reduction? Explain.	[3]
	e)	What are categories of reporting? Explain.	[4]
	f)	Describe ISO 9016 quality standard.	[4]

PART–B *(3x16 = 48 Marks)*

2.	a)	Give an outline of step wise planning activities.	[8]
	b)	Identify the main types of personnel employed in an information systems department. For each stage of a typical IS development project, list the types of personnel who are likely to be involved.	[8]
3.	a)	Explain about choosing technologies.	[8]
	b)	What are life cycles about? Explain elaboration phase in detail.	[8]
4.	a)	Explain in detail about formulating a network model.	[8]
	b)	Discuss about a COCOMO model with suitable example.	[8]
5.		Explain in detail about applying the PERT technique with example.	[16]
6.	a)	What are types of resources? Explain.	[8]
	b)	Explain in detail about progress monitoring.	[8]
7.		Explain the following:	
	a)	Planning quality	[8]
	b)	Enhancing software quality	[8]

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Set No. 4

IV B.Tech I Semester Regular/ Supplementary Examinations, October/November - 2017
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) List the products created by the step wise planning process. [3]
    b) Explain about technical contents list. [4]
    c) Discuss about product-based approach with a neat diagram. [4]
    d) What is a risk? Explain. [3]
    e) What is earned value analysis? [4]
    f) What is quality? Explain planning quality. [4]

PART–B *(3x16 = 48 Marks)*

2. a) What are activities covered by software project management? Explain. [8]
    b) Explain about identifying project products and activities. [8]

3. a) Discuss in detail about pragmatic artifacts. [8]
    b) What is software prototyping? What are other ways of categorizing prototypes? [8]

4. a) What is the basis for software estimating? Explain software effort estimation techniques. [8]
    b) Draw an activity network using activity-on-node network conventions for (i) getting married and (ii) choosing and purchasing a desktop computer. [8]

5. a) Describe software project risks and strategies for risk reduction. [8]
    b) Explain in detail about risk planning. [8]

6. a) How to identify resource requirements? Explain. [8]
    b) Explain about creating a framework for monitoring and control. [8]

7.   Explain the following:
        a) Quality measures [8]
        b) Capability maturity model [8]

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