Code No: **R42121** **R10** **Set No. 1**

IV B.Tech II Semester Regular Examinations, April/May - 2014

SOFTWARE PROJECT MANAGEMENT

(Information Technology)

Time : 3 hours **Max. Marks: 75**

Answer any Five Questions
All Questions carry equal marks

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1 a) What are the five necessary improvements for the waterfall model? Explain.
b) Discuss about pragmatic software cost estimation.

2 State and explain the principles of conventional Software Engineering?

3 a) What are life cycle phases? Explain in detail.
b) Discuss about pragmatic artifacts.

4 What is a model? Discuss in detail about model-based architecture.

5 a) Explain the conventional work breakdown structure.
b) Discuss about periodic status assessment.

6 a) What is the need for process automation? Explain.
b) What are the four component teams in a default line-of-business organization and their responsibilities?

7 a) Discuss Seven core metrics in detail.
b) Explain the process discrimination that result from differences in project size.

8 a) Write about the Top10 software management principles.
b) What is the crucial mechanism for promoting team work among stakeholders? Explain.

Code No: **R42121** **R10** **Set No. 2**

IV B.Tech II Semester Regular Examinations, April/May - 2014

SOFTWARE PROJECT MANAGEMENT

(Information Technology)

Time : 3 hours **Max. Marks: 75**

Answer any Five Questions
All Questions carry equal marks

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1 a) Define software process model. Explain waterfall model in theory.
b) Discuss about pragmatic software cost estimation.

2 a) How to reduce software product size? Explain in detail.
b) What are the principles of modern software management? Explain.

3 a) Describe Inception and Construction phases.
b) Discuss about Engineering artifacts.

4 Discuss in detail about workflows of the software process.

5 a) Write about results of major milestones in a modern process.
b) Explain the iteration planning process.

6 a) What are the activities of software management team?
b) With a neat diagram, explain the software project team evolution.

7 a) Explain about Quality indicators.
b) Explain the process discrimination that result from differences in stakeholder cohesion.

8 Discuss Next generation cost models in detail

Code No: **R42121** **R10** **Set No. 3**

IV B.Tech II Semester Regular Examinations, April/May - 2014

SOFTWARE PROJECT MANAGEMENT

(Information Technology)

Time : 3 hours **Max. Marks: 75**

Answer any Five Questions
All Questions carry equal marks

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1 a) Discuss about conventional software management performance.
b) Explain in detail about the three generations of software economics.

2 a) How to improve team effectiveness? Explain.
b) With an example, explain how object-oriented technology permits corresponding improvements in teamwork and interpersonal communications.

3 Discuss in detail about the artifacts captured in the management set?

4 a) Explain about technical perspective of model-based architecture.
b) What is a workflow? List top-level workflows and Explain iteration workflows.

5 a) Draw a figure that gives a typical sequence of life-cycle checkpoints. Explain.
b) Explain the typical minor milestones in the lifecycle of iteration.

6 a) Define round-trip engineering. What is the primary reason for round-trip engineering? Explain.
b) Explain the stakeholder environments.

7 a) Define architectural risk. Write process discriminators that result from differences in architectural risk.
b) Explain process discriminators that results from differences in project size.

8 a) State and explain the nine best practices for software management
b) Explain the culture shifts of modern process transition

Code No: **R42121** **R10** **Set No. 4**

IV B.Tech II Semester Regular Examinations, April/May - 2014

SOFTWARE PROJECT MANAGEMENT

(Information Technology)

Time : 3 hours **Max. Marks: 75**

Answer any Five Questions

All Questions carry equal marks

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1 a) Explain about the Waterfall model in practice.
b) How do you define Software Economics? Explain modern software economics.

2 a) What are the Key practices that improve overall software quality:
b) Describe the various objectives used for the measurement of software size?

3 a) Give an overview of the artifact sets that make the development of a complete software system manageable.
b) What are primary objectives and essential activities of elaboration phase?

4 a) Explain about technical perspective of model-based architecture.
b) With a table, Explain the allocation of artifacts and the emphasis of each workflow in each of the life-cycle phases.

5 With a neat table explain in detail the general status of plans, requirements, and products across the major milestones.

6 a) What are the activities of Software architecture team?
b) Explain about evolution of organizations

7 a) Explain the three fundamental sets of management indicators
b) Define MTBF and maturity. Draw a graph for maturity expectation over a healthy project's life cycle.

8 Write short note on
a) Early risk resolution
b) Evolutionary requirements
c) Denouement