



NARSIMHA REDDY ENGINEERING COLLEGE

UGC AUTONOMOUS INSTITUTION

Maisammaguda (V), Kompally - 500100, Secunderabad, Telangana State, India

UGC - Autonomous Institute
Accredited by NBA & NAAC with 'A' Grade
Approved by AICTE
Permanently affiliated to JNTUH

School of Computer Science

4. Previous Question Papers:

Department of the CSE – NR21
SOFTWARE PROJECT MANAGEMENT
(Professional Elective- V)
JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

B. Tech IV Year I Semester Examinations, December - 2019

Software Project Management

(Common to CSE, IT)

Time: 3 Hours Max.

Marks: 75

Note: This question paper contains two parts A and B.

Part A is compulsory which carries 25 marks. Answer all questions in Part A. Part B consists of 5 Units. Answer any one full question from each unit. Each question carries 10 marks and may have a, b as sub questions.

PART – A

(25 Marks)

- 1.a) Define initial process. [2]
- b) Write brief notes on PSP. [3]
- c) What is meant by software economics? [2]
- d) Define the term artifact set. [3]
- e) Explain cost estimation process. [2]
- f) Write brief notes on major milestones in software process. [3]
- g) Write about evolution of organizations. [2]
- h) Write brief notes on metrics automation. [3]
- i) What is meant by early risk resolution? [2]
- j) Explain about evolutionary requirements. [3]

PART – B

(50 Marks)

2. Describe the principles of software process change and TSP. [10]

OR

3. Discuss about software process assessment. And also discuss about CMM. [10]

4. Explain about improving software process and improving term effectiveness. [10]

OR

5.a) Explain the principles of conventional software engineering.

b) Describe the phase of software project elaboration. [5+5]

6. Describe the conventional WBS issues and planning guidelines. [10]

OR

7. Explain about the iteration planning process and pragmatic planning. [10]

8. What are the software project quality indicators? Explain them. [10]

OR

9. What is a seven core metrics? Discuss about pragmatic software metrics. [10]

10. What are the software management best practices? Explain them. [10]

OR

11. Discuss about next generation software economics. [10]

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

B. Tech IV Year I Semester Examinations, March - 2019

Software Project Management

Time: 3 Hours

Max. Marks: 75

(Common to CSE, IT)

Note: This question paper contains two parts A and B.

Part A is compulsory which carries 25 marks. Answer all questions in Part A.

Part B consists of 5 Units. Answer any one full question from each unit.

Each question carries 10 marks and may have a, b, c as sub questions.

Part- A

(25 Marks)

- 1.a) What is late risk resolution? [2]
- b) What are various cost estimation models? [3]
- c) What is roundtrip engineering? [2]
- d) What are the top five principles of a modern process? [3]
- e) Define transition phase. [2]
- f) Write the typical release description outline. [3]
- g) Define product release milestone. [2]
- h) Who are stakeholders? List them. [3]
- i) Define rework and adaptability. [2]
- j) What are the major components of software cost? Why? [3]

Part-B

(50 Marks)

- 2.a) What are five necessary improvements in waterfall model?
- b) Describe return on investments in different domains. [5+5]

OR

- 3.a) Give industrial software metrics top 10 list.
- b) Briefly explain pragmatic software cost estimation. [5+5]
- 4.a) How to improve software processes?
- b) What are the principles of modern software management? [5+5]

OR

- 5.a) Discuss about reuse with a neat diagram.

b) Describe transitioning to an iterative process. [5+5]

6. Explain about model-based architecture in a management perspective. [10]

OR

7.a) Explain about construction phase.

b) Distinguish between implementation set and deployment set. [7+3]

8.a) What are default agendas for the life-cycle architecture milestone?

b) Discuss about the cost and schedule estimating process. [5+5]

OR

9.a) What are the activities of software architecture team?

b) Explain in detail about software change orders. [5+5]

10.a) What are the seven core metrics? Explain.

b) Give an example to distinguish small scale project and large scale project. [7+3]

OR

11.a) What are the basic characteristics of a good metric? Explain.

b) Give a common subsystem overview of CCPDS-R. [4+6]

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

B. Tech IV Year I Semester Examinations, November/December - 2019

SOFTWARE PROJECT MANAGEMENT

(Computer Science and Engineering)

Time: 3 Hours

Max. Marks: 75

Note: This question paper contains two parts A and B.

Part A is compulsory which carries 25 marks. Answer all questions in Part A.

Part B consists of 5 Units. Answer any one full question from each unit.

Each question carries 10 marks and may have a, b, c as sub questions.

Part- A

(25 Marks)

- 1.a) Define late design breakage. [2]
- b) What are the parameters of cost models? [3]
- c) What is configurable process? [2]
- d) What are five staffing principles? [3]
- e) Define elaboration phase. [2]
- f) What is WBS? [3]
- g) What are the responsibilities of SEEA? [2]
- h) Explain about configuration baseline. [3]
- i) What are the sources of architectural risks? [2]
- j) Define MTBF and maturity. [3]

Part-B

(50 Marks)

- 2.a) Explain waterfall model.
- b) Describe the three generations of software economics. [5+5]

OR

3. Explain the following:

- a) Adversarial stakeholder relationships
- b) Requirements driven functional decomposition [5+5]

4.a) Explain about object-oriented methods and visual modeling.

- b) What are the modern process approaches for solving conventional problems? [6+4]

OR

5.a) How to achieve required software quality? Explain.

b) Write and explain any ten principles of conventional software engineering. [5+5]

6.a) Briefly discuss about engineering stages.

b) Explain in detail about test artifacts. [5+5]

OR

7.a) Write the primary objectives of Construction and Transition phases.

b) What are engineering artifacts? Explain. [5+5]

8.a) Discuss about evolutionary work breakdown structures.

b) What are the activities of software assessment team? Explain. [5+5]

OR

9.a) Explain in detail about planning guidelines.

b) Discuss about automation building blocks. [6+4]

10.a) What are process discriminants? Briefly explain.

b) Explain culture shifts for modern process transitions. [5+5]

OR

11.a) What are management indicators? Explain.

b) Explain top ten software management principles. [5+5]

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