

Code No: 155GB**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD****B. Tech III Year I Semester Examinations, August/September - 2024****SOFTWARE PROJECT MANAGEMENT****(Common to CSIT, CSE(DS))****Time: 3 Hours****Max. Marks: 75****Note:** i) Question paper consists of Part A, Part B.

ii) Part A is compulsory, which carries 25 marks. In Part A, Answer all questions.

iii) In Part B, Answer any one question from each unit. Each question carries 10 marks and may have a, b as sub questions.

PART – A**(25 Marks)**

- 1.a) List the parameters of cost models. [2]
- b) What is the use of conventional software management performance? [3]
- c) What is meant by Iterative software process? [2]
- d) List the principles of conventional software management. [3]
- e) Give the primary objectives of construction phase. [2]
- f) What is the need of management artifact set? [3]
- g) Mention the milestones of lifecycle architecture. [2]
- h) What is the need of Cost and schedule estimation? [3]
- i) What is the purpose of management indicators? [2]
- j) What is modern project profile? [3]

PART – B**(50 Marks)**

- 2.a) Discuss about conventional software project management with its pros and cons.
 - b) List and brief the various activities covered by Software Project Management. [5+5]
- OR**
- 3.a) How to achieve required quality of the software? Explain.
 - b) How does Pragmatic Software Cost estimation performed? [5+5]
- 4.a) Specify the important trends in improving the software economics.
 - b) Justify how peer inspection is the key aspects of a quality system with an example? [5+5]
- OR**
- 5.a) List and explain various modern process approaches for solving conventional problems.
 - b) Mention the top five principles of modern software management process. [5+5]
- 6.a) Compare and discuss programmatic and engineering artifacts.
 - b) List and explain in detail about Management Artifact set and their significance. [5+5]
- OR**
- 7.a) Explain the technical perspectives in the model based software architectures.
 - b) What are the levels of activity that takes place in the workflows during Inception phase? [5+5]

- 8.a) Give the default agendas for the life-cycle architecture milestones.
b) What components lead to good cost estimates? Explain. [5+5]

OR

- 9.a) Give a brief note on Pragmatic Planning.
b) Describe the default roles in a software line-of-business organization. [5+5]

- 10.a) What are the seven core metrics of software projects? Define them.
b) How does metric automation become crucial to effective project control? Discuss. [5+5]

OR

- 11.a) In detail, specify the culture shifts for modern process transitions.
b) Give the overview of the CCPDS-R macro process, milestones and schedule. [5+5]

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Use of Paper Aug-2024