

Code No: 157DX

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

B. Tech IV Year I Semester Examinations, February/March - 2022

SOFTWARE PROCESS AND PROJECT MANAGEMENT

(Common to CSE, IT)

Time: 3 Hours

R18

Answer Any Five Questions  
All Questions carry equal marks

Max. Marks: 75

- 1.a) Discuss in detail about the Initial process, the repeatable process and the managed process.
- b) What are process reference models? Explain any two of them. [7+8]
- 2.a) Discuss about Capability Maturity Model and its variations.
- b) Differentiate between PSP and TSP. [7+8]
- 3.a) What are the principles of conventional software project management? Discuss.
- b) With a neat sketch, explain the model based software architectures. [7+8]
- 4.a) Explain about management artifacts and pragmatic artifacts in brief.
- b) How to improve software economic? Discuss. [7+8]
- 5.a) Describe the cost estimation process of a software project.
- b) What is iteration planning? Explain iteration planning process in brief. [7+8]
- 6.a) What is the need of metrics automation? Discuss.
- b) Explain default project organization and responsibilities. [7+8]
- 7.a) What are process discriminants? Briefly explain.
- b) Explain about project control and process instrumentation. [7+8]
- 8.a) Discuss about the common subsystem view of CCPDS-R.
- b) Explain test progress of CCPDS-R. [7+8]

—ooOoo—