

MCA/M07
Software Project Management
Paper MCA -404/405
Option (VI)

Time : 3 Hours

MM:50

UNIT-I

- 1(a) What are the tools and techniques for automation available for project management? Explain.
- (b) Discuss the role and responsibilities of Project Manager.
- 2(a) What are the various methods for the estimation of resources, cost and time for software project? How does this help in reducing product size? Explain.
- (b) Explain the importance of team work and its effects in software management.
- 3(a) Explain the principles of Modern Software Processes.
- (b) Explain the techniques for improving the software processes.

UNIT-II

- 4 Explain the project life cycle phase and discuss each phase describing the important functions in each phase.
- 5 Compare and contrast the following artifacts of the processes:-
 - (a) The Artifact Sets
 - (b) Management Artifacts
 - (c) Engineering Artifacts
 - (d) Pragmatics Artifacts
- 6 Write short notes on the following:-
 - (a) Model-based software architectures
 - (b) Check points of the process.

UNIT-III

- 7(a) What do you mean by iterative process planning? Why the process of project planning should be Iterative? Explain.
- (b) What do you mean by Process Automation? Explain.
- 8(a) What are software metrics? Explain their need.
- (b) Explain the software life-cycle expectations.
- 9(a) What do you mean by software project management indicators? Explain
- (b) What do you mean by the project organizations and responsibilities? Explain
- 10 Write short notes on the following.
 - (a) Process discriminants

(b) Project control and process instrumentation