

MCA/M09**6257****Software Project Management****Paper : MCA-404/405 (vi)**

Time : Three Hours]

[Maximum Marks : 50

Note :- Attempt **FIVE** questions in all, selecting at least **ONE** question from each unit. All questions carry equal marks.

SET-I**UNIT-I**

1. What is Software Economics ? How is it improved ? Also discuss its evolution in detail.
2. Define automation. What are its advantages and disadvantages ? How is it implemented through software environments ? Explain with examples.
3. Explain the following with suitable examples :-
 - (i) Principles of modern software management
 - (ii) Product size reduction techniques.

UNIT-II

4. Differentiate between engineering and pragmatics artifacts in detail. How these are useful and used ? Discuss briefly.
5. Define process. Describe its workflows and checkpoints with suitable examples in detail.
6. Explain the following briefly :-
 - (i) Life cycle phases
 - (ii) Management artifacts.

UNIT-III

7. Differentiate between process automation and process instrumentation in detail with suitable examples.
8. What do you mean by management indicators ? How these are useful and used ? Explain in detail.
9. Explain the following briefly :-
 - (a) Life cycle expectations
 - (b) Project responsibilities.
10. Write short notes on the following :
 - (a) Process discriminants
 - (b) Iterative Process planning.

SET-II

UNIT-I

1. List and explain principles of modern software management with suitable examples in detail.
2. What do you mean by automation ? How is it implemented and useful ? Explain in detail by taking a suitable example.
3. Describe the following in detail with examples :-
 - (a) Evolution of software economics
 - (b) Software process and its improvement.

UNIT-II

4. Explain workflows and checkpoints of a process in detail with suitable examples.
5. Describe the following life cycle phases of a Software Management process in detail with examples :-
 - (i) Inception
 - (ii) Elaboration
 - (iii) Construction
 - (iv) Training.

6. Write short notes on the following :-
 - (i) Model based software architectures
 - (ii) Pragmatics artifacts.

UNIT-III

7. Describe Project Organization and responsibilities in detail with examples.
8. Explain the cycle expectations in detail with suitable examples.
9. Explain the following briefly :-
 - (a) Core Metrics
 - (b) Process automation.
10. Write short notes on the following :-
 - (a) Iterative process planning
 - (b) Process discriminants.