

Roll No.

24/1/12
Total No. of Pages : 2

MCA/D11

4568

Software Project Management

Paper : MCA-505 (V)

Time : Three Hours]

[Maximum Marks : 80

Note :- Attempt **FIVE** questions in all. Question number 1 is compulsory.
In addition to compulsory question, attempt **FOUR** more questions selecting **ONE** question from each unit. All questions carry equal marks.

1. (i) What are the different stages in linear sequential model of software development ?
- (ii) What is a risk assessment ? Cite three reasons to perform a risk assessment early in the project.
- (iii) What is a critical path ?
- (iv) What is function point ?
- (v) Differentiate between process metric and project metrics.
- (vi) Give the checklist for use during configuration audits.
- (vii) What do you understand by baseline ?
- (viii) What do you understand by risk mitigation ?

UNIT-I

2. What is the difference between evolutionary and throwaway prototyping ? Discuss in detail with their merits and demerits.
3. (a) What are the quality factors of software ? Discuss.
- (b) When is it advisable to use incremental model of software development ? Discuss.

UNIT-II

4. Explain the use of PERT and CPM in identifying the tasks that determines the duration of the project.
5. Write a detailed note on the activities carried out in project tracking.

UNIT-III

6. What do you understand by software metric ? Discuss the use of cyclomatic complexity metric for quality assurance of software. Use suitable examples.
7. What are the different classes of software risk ? How do these classes describe the different roles and responsibilities of people on software projects ? Explain.

UNIT-IV

8. What do you understand by software quality assurance ? Describe the two ways in which system building tools in quality assurance can optimize the process of building a version of a system from its components.
9. Write short notes on the following :
 - (a) Status reporting
 - (b) Formal Technical Review.