

Roll No.
Printed Pages : 3

10418

MCA/D-13

SOFTWARE PROJECT MANAGEMENT

Paper-MCA-505(V)

Time allowed : 3 hours] [Maximum marks : 80

Note : Attempt five questions in all. Question No. 1 is compulsory. In addition, attempt exactly one question from each unit.

(Compulsory Question)

1. (a) List the major responsibilities of a software project manager. 3
- (b) At which point of time in SDLC, do the project management activities start and end ? 3
- (c) Why does a project manager need to estimate the size of the project ? 3
- (d) What do you understand by sliding windows planning ? 3
- (e) Differentiate between initial and final project schedule plans. 3
- (f) What is the difference between a macroscopic schedule and a detailed schedule ? 3
- (g) Can a program be correct and still not reliable ? Explain. 3

Unit-I

2. Discuss different Evolutionary Process Models along with their merits and demerits. 14

10418

[Turn over

(2)

3. (a) Discuss various activities covered by Software Project management. 7
- (b) What are the causes of software crisis ? How does software engineering address them ? 7

Unit-II

4. (a) Differentiate between top-down and bottom-up planning. Also discuss the advantages and disadvantages of both of them. 5
- (b) What is the role of escalations in project tracking ? Explain. 4
- (c) What is project checklist ? How is it useful in project schedule planning ? 5
5. (a) What do you understand by project tracking ? Discuss the tracking meeting ground rules. 7
- (b) Explain when you should use PERT charts and when you should use Gantt charts, while you are performing the duties of a project manager. 7

Unit-III

6. What are different categories of software development projects according to the COCOMO estimation model ? Give examples of software project development projects belonging to each of these categories. 14
7. What do you understand by software risks ? Explain RMMM and RMMM Plan. Also discuss the objective of Risk Management. 14

10418

(3)

Unit-IV

8. What do you understand by software configuration ? What is meant by software configuration management ? How can you manage software configuration ? Why is software configuration management crucial to the success of large software product development projects ? 14
9. (a) What according to you is a quality software project ? 5
(b) How do you track the progress of Object Oriented project ? 4
(c) Why is it important for a software development organization to obtain ISO 9001 certification ? 5