

Roll No.

Total Pages : 2

BT-7/D-22

47280

SOFTWARE PROJECT MANAGEMENT

Paper-PE-IT-D409A

Time Allowed : 3 Hours]

[Maximum Marks : 75

Note : Attempt **five** questions in all, selecting at least **one** question from each Unit. All questions carry equal marks.

Unit-I

1. (a) Explain the Boehm fundamental economic relationship for conventional Software. How to improve the Software economics? 8
(b) Describe in brief staffing principles proposed by Boehm. 7
2. (a) What types of Automation can be done through Software environment? Justify with a suitable example. 8
(b) Explore the principles of modern Software management in detail. 7

Unit-II

3. (a) Identify the role of management Artifacts, Engineering artifacts and Pragmatics artifacts to develop cost effective Software process. 8

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- (b) Explain the need of Workflows and checkpoints of the processes in Software project management. 7
4. (a) Describe the inception, elaboration and construction phase of the Software life cycle with the help of suitable examples. 10
- (b) Write short note on training phase. 5

Unit-III

5. (a) How can we implement Iterative process planning? Explain with a suitable example. 8
- (b) What are the basic life cycle expectations in software management? 7
6. (a) Describe the role of project organizations and responsibilities. 8
- (b) Explain the project control and process instrumentation core metrics. 7

Unit-IV

7. (a) State and explain the Cost monitoring and earned value analysis. 7
- (b) How to visualize the progress of any Software project. 8
8. Write short notes on the following : 5×3=15
- (a) Contract Management.
- (b) Software Configuration Management.
- (c) Project Tracking.