

Roll No. ....

Total Pages : 2

**BT-7/D-21**

**47211**

**SOFTWARE PROJECT MANAGEMENT**

**Paper–IT-423-N/PE-IT-D-409A**

Time : Three Hours]

[Maximum Marks : 75

**Note :** Attempt any *five* questions, selecting exactly at least *one* question from each unit. All questions carry equal marks.

**UNIT-I**

1. (a) Enlist and explain the top ten software metrics as stated by Boehm. 7½  
(b) Discuss the various generations of software economics leading to target objectives. 7½
2. (a) State and explain the principles of modern software management. 7½  
(b) What are the various mechanisms to reduce the software product size? 7½

**UNIT-II**

3. Describe the various life-cycle phases in software management process in detail. 15
4. (a) Discuss the various elements in the artifacts of the software management process in brief. 7½  
(b) Explain a typical sequence of life-cycle checkpoints in brief. 7½

### UNIT-III

5. (a) Explain the iterative planning process used throughout the life-cycle of software. 7½
- (b) State and explain the various activities of software management teams. 7½
6. (a) What is meant by round-trip engineering? Explain in detail. 7½
- (b) Discuss the various quality indicators for the measurement of software change. 7½

### UNIT-IV

7. Discuss the general framework for the management and control of a project using suitable examples. 15
8. Write short notes on :
- (a) Earned Value Analysis.
- (b) Contract Management.
- (c) Project Tracking. 15
-