# Total Pages: 2

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## BT-7/D-21

# 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.
- 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

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#### **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.
- **8.** Write short notes on :
  - (a) Earned Value Analysis.
  - (b) Contract Management.
  - (c) Project Tracking.

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