BT-7/D-18   37004

SOFTWARE PROJECT MANAGEMENT
CSE-441

Time : Three 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 economics relationship for conventional software. How to improve the software economics ?   **8**

    (b) What types of automation can be done through software environment ? Justify with a suitable example.   **7**

2. (a) Discuss different software processes which are involved and their role of to build effective software system.   **8**

    (b) Explain the principles of software management. **7**

Unit II

3. Identify the roles of the following :

    (a) Work breakdown structure   8

    (b) Software architecture team.   8

4. Define Software Engineering Artifacts. Explain the role of management artifacts, engineering artifacts and pragmatic artifacts to design cost effective software process.   15

Unit III

5. (a) Write down the function of software architecture team and software assessment team.   8

    (b) Explain the role of life-cycle expectations in software management.   7

6. (a) What are the different core metrics for management of a modern software project ? Explain briefly with real time software applications.   8

    (b) Discuss the role of using discriminant factors in controlling software process management.   7

Unit IV

7. Write down the short notes on the following :

    (a)   Iterative Process Planning   5

    (b)   Life Cycle Expectations   5

    (c)   ROI.   5

8. Why project automation and project control are essential for managing software project ? Explain with the help of suitable process flow mechanism of any real time software project.   15