

**23077**

**M.Tech. 3rd Semester (Computer Sci. Engg.)**  
**Examination, December-2017**  
**SOFTWARE PROJECT MANAGEMENT**  
**Paper-MTCE-707-A (A)**

Time allowed : 3 hours ] [ Maximum marks : 100

*Note : Attempt any five questions. All questions carry equal marks.*

1. (a) Define software project management process.  
How this process is different from other kinds of project management systems ? 2×10  
(b) Explain spiral model for software development.
2. Define quality. Discuss the importance of quality, its control and assurance. 20
3. Write the major activities of software configuration management. Explain the process of configuration audit. 20
4. Analyze the role of quality assurance in cost and benefit analysis of software quality. 20
5. What are various components of project planning and tracking ? 20

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**[P.T.O.]**

6. (a) What do you mean by estimation ? Explain in detail the different phases of estimation methodology. 2×10
- (b) Give a complete description about design and development phases.
7. Explain various ways of requirement gathering for software. 20
8. (a) What are the management issues during the maintenance phase ? 2×10
- (b) What do you mean by “skill set for people in the maintenance phase” ? Explain.