

Total No. of Questions : 8]

[Total No. of Printed Pages : 2

Roll No

MSE-203**M.E./M.Tech., II Semester**

Examination, June 2017

Software Architecture*Time : Three Hours**Maximum Marks : 70***Note :** Attempt any five questions. All questions carry equal marks.

1. a) Define software architecture. How the architecture business cycle works with a neat diagram?
b) Functional and Non-functional properties of Software Architectures.
2. a) Explain about architectural pattern, reference models and reference architecture with a neat diagram.
b) Define architectural styles. List the common architectural styles.
3. a) Explain Service Oriented Architecture in detail.
b) Explain layered system and repositories.
4. a) Explain current Trends in SOA.
b) Explain Formal Approaches to Software Architecture.
5. a) Explain automated support for architectural design.
b) Explain formalizing Architectural style.

MSE-203

618

PTO

[2]

6. a) What is modifiability in software architecture? Explain in detail.
b) Explain Software Architecture analysis.
7. a) What is Architectural Analysis? Explain Informal Architectural models.
b) What is Architectural Analysis Goals? Explain Architectural Analysis Goals.
8. Write short notes on any three:
 - a) Informal models
 - b) Data Abstraction
 - c) Software Architecture Frameworks
 - d) ATAM

MSE-203