

Con. 8364-13.

(Revised Course)

LJ-13610

(3 Hours)

[Total Marks : 100

- N.B. :** (1) Question No. 1 is **compulsory**.
 (2) Attempt any **four** from remaining **six** questions.
 (3) **Figures** to the **right** indicates **full** marks.

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| 1. | (a) Explain different types of inconsistencies in models. | 5 |
| | (b) What is product line architecture? | 5 |
| | (c) Compare and contrast stream connector and linkage connector. | 5 |
| | (d) What is implicit invocation style? Explain with an example. | 5 |
| 2. | (a) Explain ATAM in detail with diagram. | 10 |
| | (b) What are architectural patterns? Explain any one pattern in detail with suitable example. | 10 |
| 3. | (a) Explain REST architecture with diagram. | 10 |
| | (b) What is consistency in analysis? | 10 |
| 4. | (a) Compare and contrast event-based and client-server based data distribution connector. | 5 |
| | (b) Discuss design issues for NFP: Scalability and heterogeneity. | 10 |
| | (c) Name the stake holder for building software architecture with their roles. | 5 |
| 5. | (a) Draw framework for classifying connectors and explain it in detail. | 10 |
| | (b) What is prescriptive and descriptive architecture, Explain with example. | 10 |
| 6. | (a) Discuss service oriented architecture (SOA) and web services. | 10 |
| | (b) Explain model based and simulation based analysis techniques used in software architecture. | 10 |
| 7. | (a) "Focus on architecture is a focus on Reuse". Comment. | 10 |
| | (b) What is domain specific architecture? | 5 |
| | (c) State with reason following statement is true or false : "Connectors are mostly application dependent elements." | 5 |