

Cs 8 sem SOFTWARE ARCHITECTURE dec 2015 OLD QP Code : 2697
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(3 Hours)

[Total Marks: 100]

N.B.:

1. Question No.1 is Compulsory.
2. Attempt any four out of remaining Questions.
3. Figures to the right indicate full marks.

Q1. Attempt any **four** from the following questions.

- a) Compare and contrast stream connector and linkage connector. [05]
- b) What is reference architecture? How does it differ from ordinary software architecture? [05]
- c) Differentiate architectural erosion and architectural drift. [05]
- d) What is a difference between view and viewpoint? [05]
- e) Differentiate software architecture and software design. [05]

Q2. a) What is SOA and web services? [10]

- b) What is architectural pattern? Explain any one pattern in detail with example. [10]

Q3. a) Compare and contrast event-based and client-server based data distribution connector.

- b) What is stakeholder driven modelling? [05]
- c) Explain basic features of xADL. [05]

Q4. a) List various architectural styles. What are the differences between architectural styles and Architectural patterns. [10]

- b) Explain simulation base framework [05]
- c) Explain 4+1 view in UML? [05]

Q5. a) What is REST? Explain its architecture. [10]

- b) What is perspective and descriptive architecture [10]

Q6. a) Explain in brief the guidelines of a good Software architecture for achieving NFP (no-functional property) goals. [10]

- b) Explain with an example software System Mobility and Architecture [10]

Q7. Write short notes on

[Any TWO]

- i) C2 style Architecture
- ii) ATAM
- iii) Domain specific software architecture