

(8)

BE - sem - VIII - old - computers

SA

16/12/15

QP Code : 2697

(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. [05]
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] [20]
i) C2 style Architecture
ii) ATAM
iii) Domain specific software architecture

QP-Con. 11427-15.

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