

## **All The best For Exams - Rejinpaul Team**

**Anna University Exams April/May 2016 – Regulation 2013**  
**Rejinpaul.com Unique Important Questions – 6th Semester BE/BTECH**

### **IT6602 SOFTWARE ARCHITECTURES**

#### **UNIT I**

1. Describe the common Software Architecture Structures with neat diagram
2. Explain in detail the building of Architecture Business Cycle.
3. Explain how the software architectures affect the factors of influence
4. What allocation structure is as applied to software architectures? Explain three allocation structures in practice.

#### **UNIT II**

1. What is a quality attribute scenario? List the parts of such scenario. Explain.
2. Define Quality Attribute Workshop .Write in detail about the steps involved in QAW.
3. Explain the various parts of QA scenarios in practice
4. With the help of appropriate diagrams, explain the availability scenario and testability scenario in detail

#### **UNIT III**

1. Illustrate the types of views with suitable examples.
2. Discuss Siemens 4 views in detail.
3. Explain 4+1 View Model of Architecture with a diagram in detail.
4. Explain the basic representations of views with all its available notations
5. What is View Point? Describe the six core viewpoints in detail.

#### **Unit IV**

1. Define architecture style. Tabulate the summary of all architectural styles.
2. Explain depict the dynamic behaviour of pipes and filters pattern with neat diagram
3. Describe all the types of Call-and-return style with neat sketch.
4. Explain the architecture styles based on: (a)Data abstraction (b) object-oriented organization (c)event-based (d) implicit invocation

#### **Unit V**

1. Discuss about documenting the views using UML with suitable diagram.
2. Explain the various types of ADL in detail.
3. Discuss (a) SOA(b)Cloud computing (c) Adaptive structures
4. Explain the good practices in documenting software architecture.

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**Questions Are Expected for University Exams This May or may Not Be Asked for Exams**

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