

**B.Sc. (I. T.) Sem. - VI (2011 Course) : WINTER - 2018**  
**SUBJECT : UNDERSTANDING SOFTWARE ARCHITECTURE**

Day : Monday  
Date : 03/12/2018

Time : 10.00 am to 12.00 Noon  
Max. Marks :40

**W-2018-1110**

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**N. B. :**

- 1) Attempt **ANY FIVE** questions.
  - 2) Figures to the right indicate **FULL** marks.
  - 3) Draw neat and labeled diagram **WHEREVER** necessary.
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- Q. 1**      What is Software Architecture? Differentiate between Software Architecture and Design.      **(08)**
- Q. 2**      ‘Performance’ and ‘Security’ are the key quality attributes. Explain in detail.      **(08)**
- Q. 3**      Explain the goals of Software Architecture.      **(08)**
- Q. 4**      What are the uses of Software Architecture documentation?      **(08)**
- Q. 5**      Explain various Architectural Patterns in detail.      **(08)**
- Q. 6**      Explain various Architectural Activities in detail.      **(08)**
- Q. 7**      Explain ‘Modifiability’ and ‘Scalability’ in detail.      **(08)**

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