MID SEM Exam. of 1ˢᵗ sem. M. Tech. CSE Dept.
Subj. CS 6403 Software Architecture, Total marks 30, Time TWO hours.

Please answer <u>any FIVE questions</u>. Question no. 7 is compulsory.

1. How does an Architect select a connector for a particular purpose? Explain different types of interconnection model. Write the important characteristics of model?

2. Explain Rapide ADL with proper depiction diagram and program construct by considering and one player and two players.

3. Explain Darwin and xADL by considering its various evaluation parameters.

4. Explain the connector that is used in CORBA architectural style. Draw its architectural diagram and explain the role of broker.

5. Mr. Harry identified some principal design decisions for a messaging App, which he wants to visualize in the form of a model. Please help him out with the choices of visualizations, he can make and also suggest him the desirable methods, in case he chooses to coordinate amongst the available visualizations.

6. Explain all the parameters of architectural analysis process. Draw the Diagram of ATAM process and explain its activities.

7. A. List the desired skill sets of the architect.
   B. Explain Frederick Herzberg two factor theory.
   C. Explain Hawthorne organizational theory.

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