

OR

Code No. OR21/SE

JAWAHARLAL NEHRU TECHNOLOGY UNIVERSITY, HYDERABAD

M .Tech. II Semester Supplementary Examinations, March – 2009

ARCHITECTURES FOR SOFTWARE SYSTEMS

(Software Engineering)

Time: 3 hours

Max. Marks.60

Answer any Five questions

All questions carry equal marks

1. What is software Architecture? What are the different levels of software design? Explain the process of innovative design in an engineering discipline.
2. List and explain the common Architectural styles with examples of each.
3. What are the design considerations for a mobile robot's architecture? Explain the control loop & Layered Architecture solutions for mobile robot's Architecture.
4. What are shared information systems? Explain the evolution of shared information systems in business data processing.
5. What is the need of design space? Explain a basic structural model for user interface software with some sample design space dimensions.
- 6.a] Enumerate different things that can be formalized in the area of software architectures.
b] Explain how to formalize an architectural style.
- 7.a] How do ADLs help system development?
b] What are attributes to evaluate ADLs? Explain.
8. Write a short notes on:
a] Architectural Reengineering.
b] Legacy systems.

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