

R09

Code No: D2503

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

M.Tech II - Semester Examinations, March/April 2011

SOFTWARE ARCHITECTURE AND DESIGN PATTERNS

(SOFTWARE ENGINEERING)

Time: 3hours

Max. Marks: 60

**Answer any five questions
All questions carry equal marks**

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1. What is software architecture? Where do architectures come from? [12]
2. Elaborate on architectural patterns, reference models and reference architectures in detail. [12]
3. What is CBAM? Elaborate on it in detail. [12]
4. What is architectural documentation? [12]
5. What is a component? Explain the impact of the components on architecture. [12]
6. a) Elaborate on organizing catalogs of design patterns.
b) How would you select and use design patterns? [6+6]
7. Explain any two creational patterns, with some applications of them. [12]
8. Write short notes on the following.
a. Chain of responsibility.
b. Interpreter.
c. Observer. [12]
