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Name..

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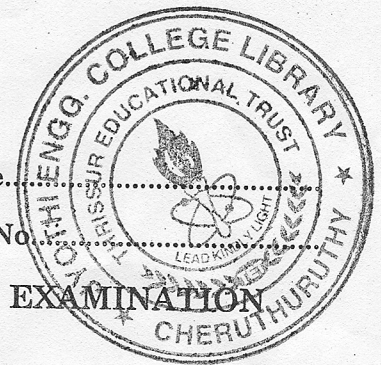
FIFTH SEMESTER B.TECH. (ENGINEERING) DEGREE EXAMINATION OCTOBER 2011

CS/ IT/ PTCS 09 501—SOFTWARE ARCHITECTURE AND PROJECT MANAGEMENT

(2009 Admissions)

Time : Three Hours — Maximum : 70 Marks

Part A

1. List different architectural styles.
2. Define an archetype.
3. List few access control patterns.
4. What is an analysis pattern ?
5. What are the types of offline concurrency pattern ?

(5 × 2 = 10 marks)

Part B

1. Explain component and connector view type.
2. Write a note on :
    (a) Adapter.
    (b) Facade.
3. Describe how patterns can be used for communication.
4. Explain the use of patterns in developing interactive system.
5. How will you automate the process with EAI ?
6. What are session state patterns ? Explain how client and server session state patterns work.

(4 × 5 = 20 marks)

Part C

1. Explain in detail conceptual and module architecture view.
2. Describe how the behaviours of software can be documented and how documentation package is built.
3. Explain model driven architecture with archetype patterns.
4. Write in detail how patterns can be used to organize work.
5. Explain the patterns used for object communication.
6. List different architectural pattern and explain any two.
7. Explain Table data, Row data Gateway and Data mapper with examples.
8. What is the use of object-relational structural pattern ? Explain how foreign key mapping and association table mapping works.

(4 × 10 = 40 marks)