

Code: 9F00505c

MCA V Semester Regular & Supplementary Examinations January 2014

**DESIGN PATTERNS**

(For 2009, 2010 & 2011 admitted batches only)

Time: 3 hours

Max. Marks: 60

Answer any FIVE questions  
All questions carry equal marks

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- 1 (a) What is a catalog? Explain catalog pattern.  
(b) How to use a design patterns?
- 2 (a) What is a design problem? Explain document structure.  
(b) Explain supporting and multiple look-and-feel standards.
- 3 (a) Explain creational patterns for abstract factory.  
(b) What is a singleton creational patterns?
- 4 What is a structural pattern? Explain composite design patterns.
- 5 (a) Explain proxy design pattern.  
(b) What is a decorator design pattern?
- 6 (a) Explain command design pattern.  
(b) Explain interpreter design pattern.
- 7 (a) Explain memento design pattern.  
(b) Explain mediator design pattern.
- 8 (a) Explain template method design pattern.  
(b) What is a strategy? Explain strategy pattern.

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