Code: 9F00505c

MCA V Semester Regular & Supplementary Examinations October/November 2017
DESIGN PATTERNS
(For 2012, 2013, 2014 & 2015 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 design pattern?
   (b) Explain design patterns in Smalltalk MVC.

2   Discuss the following using the spell checking and hyphenation:
   (a) Encapsulating access and traversal.
   (b) Encapsulating analysis.

3 (a) Explain abstract factory and builder design patterns.
   (b) Describe prototype and singleton design patterns.

4 (a) What is structural pattern? Explain composite design patterns.
   (b) Illustrate adapter and bridge design patterns.

5 (a) Explain decorator pattern in detail.
   (b) Explain Façade pattern in detail.

6 (a) Describe the chain of responsibility behavior pattern.
   (b) Explain the command design pattern.

7 (a) Explain the role of memento pattern in design of a particular pattern.
   (b) Write short notes on mediator design pattern.

8 (a) Explain template method design pattern.
   (b) What is a strategy? Explain strategy pattern.

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