

**Code: 9F00304**

MCA III Semester Regular and Supplementary Examinations April 2014

**SOFTWARE ENGINEERING**

(For 2009, 2010, 2011 and 2012 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 are the different layers in software engineering? Discuss in detail.  
(b) Describe the process patterns.
- 2 Illustrate the linear sequential model with an example.
- 3 (a) Explain about entity relationship diagram.  
(b) Explain about requirement elicitation and requirement validation.
- 4 Discuss the following:
  - (a) Abstraction.
  - (b) Information hiding.
  - (c) Functional independence.
  - (d) Refactoring.
- 5 (a) Define interface. Discuss various types of interfaces. Give examples for each.  
(b) Explain about user interface design patterns.
- 6 (a) What is meant by debugging? Explain about different categories of debugging approaches.  
(b) Discuss about various types of system tests.
- 7 Explain about basis path testing method with an example.
- 8 (a) Discuss the size oriented metrics.  
(b) What is software reengineering process? Explain.

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