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**MCA (Revised)**

**Term-End Examination**

**June, 2014**

**MCS-034 : SOFTWARE ENGINEERING**

*Time : 3 hours*

*Maximum Marks : 100*

*(Weightage : 75%)*

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*Note : Question No. 1 is compulsory. Attempt any three questions from the rest.*

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1. (a) Compare Waterfall Model with Spiral Model. 15
  - (b) What is a DFD ? Draw DFDs, upto 3<sup>rd</sup> level for a University Admission System. 10
  - (c) Explain COCOMO model with an example. 10
  - (d) What are the characteristics of a successful CASE Tools ? Explain briefly. 5
  
  2. (a) What are the different architectural styles applied for software development ? Explain with diagrams. 10
  - (b) How boundary conditions are tested in black box testing ? Explain with example. 10

3. (a) List and explain different categories of tools that can be used for testing. 10
- (b) What is scheduling ? Explain GANTT and PERT charts. 10
4. (a) What is software review ? Explain in detail with an example. 10
- (b) Discuss the objectives of software change management process. 10
5. (a) Write a short note on Java Device Test Suite. 10
- (b) Write the structure of SRS. 10
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