

**BACHELOR OF COMPUTER  
APPLICATIONS**

**Term-End Examination**

**December, 2013**

**BCS-051 : Introduction to Software Engineering**

*Time : 3 hours*

*Maximum Marks : 100*

*(Weightage : 75%)*

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*Note : Question no. 1 is compulsory and carries 40 marks.  
Attempt any three questions from rest*

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1. (a) Write the structure of SRS as per IEEE standards. 25
- (b) Explain any two characteristics of a good function oriented design. 10
- (c) Explain water Fall Model with the help of a diagram. 5
  
2. (a) Draw first three levels of DFDs for a "Student Admission System" . Make assumptions wherever necessary. 10
- (b) Define the terms "Black Box Testing" and "White Box Testing". 10
  
3. (a) Draw PERT chart for the development of "Student Admission System". 10
- (b) Draw Class Diagram for any system of your choice. Include a short note on the system chosen. 10

4. (a) Develop a test case for any testing technique for "Student Admission System". 10
- (b) Define the term "Software Project Management". Explain various tasks involved in it. 10
5. (a) Draw ERD for any system of your choice. Indicate the title of the system chosen. 10
- (b) Write a short note on Software Configuration Management. 10
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