

**BACHELOR OF COMPUTER APPLICATIONS
(BCA) (Revised)**

Term-End Examination

01993

June, 2015

**BCS-051 : INTRODUCTION TO SOFTWARE
ENGINEERING**

Time : 3 hours

Maximum Marks : 100

(Weightage : 75%)

Note : Question number 1 is compulsory and carries 40 marks. Attempt any three questions from the rest.

1. (a) Explain IEEE SRS format and apply it to develop SRS for "Student Admission System". Make necessary assumptions. 25
- (b) Explain any *two* of the following with suitable examples : 10
 - (i) Function Oriented Design
 - (ii) Object Oriented Design
 - (iii) Testing Tools
- (c) Differentiate between Waterfall model and Spiral model. 5

2. (a) Draw the first two levels of DFDs for a “Student Admission System”. Make assumptions wherever necessary. 10
 - (b) Define the terms “Integration Testing” and “Regression Testing”. 10
 3. (a) Draw GANTT chart for the development of “Student Admission System”. 10
 - (b) Explain the term “Software Matrices”. 10
 4. (a) Develop a test case for any testing technique for “Student Admission System”. 10
 - (b) Explain the Prototype Model with the help of a suitable example. 10
 5. (a) Explain the various debugging strategies. 10
 - (b) Write a short note on Reverse Engineering. 10
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