

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

Term-End Examination

December, 2017

01760

**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 an online banking system.
Make necessary assumptions. 25
- (b) What is Class Diagram ? Explain with the help of an example. 5
- (c) What is Coupling ? Is there any relation between Coupling and Cohesion ? Explain the meaning of highly coupled system. 10

2. (a) Draw the first three levels of DFDs for an Online Banking System. Make necessary assumptions. 10
- (b) Explain the terms System testing and Regression testing. 10
3. (a) Draw a Gantt Chart for the development of an Online Banking System. 10
- (b) Write a short note on Software Maintenance. 10
4. (a) Write a short note on Capability Maturity Model (CMM). 10
- (b) Draw an ERD for an online banking system. 10
5. (a) What is Software Quality ? Explain the role of software metrics in quality software development. 10
- (b) What is the need of Software Project Management ? Explain the various tasks involved in it. 10
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